# e Minima Donna

#### FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper, and for Transmission Abroad.]

OF RAILWAYS, BANKS, MINES, COLLIERIES, COLONIAL SECU-

No. 2043.—Vol. XLIV.

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LONDON, SATURDAY, OCTOBER 17, 1874. NVESTMENT OR SPECULATION.—A SELECTED LIST

SUPPLEMENT. SPRICE SIXPENCE. PER ANNUM, BY POST, £1 46.

MR, JAMES H. CROFTS, STOCK AND SHARE BROKER, No. 1, FINCH LANE, CORNHILL, LONDON, E.C. (SUCCESSOR TO JAMES CROFTS).

BESNESS transacted in every description of British and Foreign Stocks and Shares, and in all Colliers and Irox Shares.

Brecial Business in shares not having a general market value.

ORDERS on hand in Thorp's Gawber Hall.

SPECIAL BUSINESS in all Chemical and other Miscellaneous shares.

Business transacted in all Mining Shares.

Bankers: City Bank, London; South Cornwall Bank, St. Austell.

MR. WILLIAM H. BUMPUS, STOCK AND SHARE DEALER, AND MINING AGENT,
44, THERADNEEDLE STREET, LONDON, E.C.
Transacts business, at best market prices, and free of commission, in—
Mining Shares of all kinds.
British, Foreign, and Colonial Stocks and Bonds.
Ealways, Banks, Gas, and Insurance Shares.
Colliery and Iron Companies.
Telegraph, Tramway, and Miscellaneous Shares, and all Securities dealt in on
the London Stock Exchange.
Purchases and Sales negociated in Unmarketable Stocks and Shares.
Speculative Accounts opened for the Fortnightly Settlement.

25 Assheton, £1 178. 6d.	40 East Grenville.	200 Plynlimmon, 4s. 9d.
20 Blue Hills.	70 Emma (Silver), 20s 9d	60 Prince of Wales, 13s 6d
40 Bampfylde, £23%.	20 Ebbw Vale.	50 Penstruthal, 12s. 6d.
15 Bilson and Crump.	50 Flagstaff, £2 1s. 3d.	40 Prince Patrick, £2¾.
70 Bog, 3s. 6d.	100 Frontino, 11s. 3d.	25 Pennerley, 34s.
25 Birdseye Creek, £2 8 9	50 Glaisdale Quarry.	75 Parys Mountain, 8s.
5 Cook's Kitchen.	10 Great Laxey, £12.	40 Richmond, £6 11s. 3d.
00 Chontales, 11s. 9d.	20 Gunnislake (Clitters).	20 Roman Grav., £14 ls 3
50 Cathedral.	10 Great West Van, 16s.	50 Rookhope, 12s.
3 Carn Brea, £591/4.	35 Hingston, £11/4.	20 Sweetland Ck., £2 19 6
30 Cardiff and Swansea.	50 Last Chance, £11/4.	50 South Prince Patrick.
50 Chapel House, £41/4.	10 Llanrwst, £2.	100 Tecoma, 10s. 6d.
15 Cape Copper, £283%.	40 Ladywell, £2 16s. 3d.	15 Tankerville, £71/2.
60 Clee Hill Coll., 8s. 6d.	50 Lovell (Tin).	25 Utah, 4s.
30 Cedar Creek, £1 3s. 9d	25 Marke Valley, 18s. 6d.	5 Van, £221/2.
40 Chicago (Silver), £51/4.	10 Minera.	50 Van Consols, £21/8.
20 Colorado.	50 Malabar, 16s.	10 Wheal Kitty (St. Ag.),
00 Don Pedro.	100 Malpaso, 14s.	£5¼.
2 Dolcoath, £471/4.	70 New Rosario.	5 Wheal Jane, £23%.
40 East Van.	30 N. Zealand Kapanga,	70 West Maria, 8s.
25 Eberhardt, £4 18s.	£31/8.	50 W. Tankerville, 17s 6d
50 East Caradon, 20s. 6d.	26 New Quebrada, £3 6 6	10 Wh. Grenville, £5889d
10 East Lovell, £11½.	75 Old Treburgett, 12s 6d 50 Port Phillip, 14s. 6d.	100 Yorke Peninsula, 9s.
* Holders wishing to	dispose of Shares may avai	I themselves of the above
Medium, free of charge.	Particulars of Shares for In	sertion (with lowest limits)
	er that Four P.M. on Fridays	

Advantage should be taken of the present favourable opportunity for securing Shares in SOUND Mines and Collieries.

W. H. B. devotes Special attention to this class of Security, which, if a Judicious Selection be made, will pay remarkably well, either as an INVESTMENT OR SPECULATION. The Shares of several First-rate Properties may now be obtained at extremely low prices, and cannot fail to improve very considerably in Market Value within the next few months.

Beliable Information and Advice given to intending Investors and others on application.

Bankers: The National Provincial Bank of England, E.C.

MR. E. J. BARTLETT, STOCK AND SHARE DEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C., transacts business at at 15th prices in every description of security.

OFFERS WANTED FOR—6 Minera and 50 Wheal Whisper shares.

"PEINCE PATRICK.—E. J. B. has FOR SALE, 100 Shares (£1 paid). The mine is paying regular dividends, and the reserves of ore valued at some thousands of ponds.

JOHN RISLEY (SWORN), STOCK AND SHARE BROKER,
77, CORNHILL, LONDON.
Bankers: London and Westminster.
Turkish Bix Per Cent. Loans of 1854, 1858, 1862, 1865, and 1871, in all probability, will command par price (100) within a short period. The interest due half-yearly on the tribute loans of 1854 and 1871, is paid into the Bank of England by the Egyptian Government direct. These are as good as any 6 per cent. guaranteed stock. Business transacted on the usual commission.

FERDINAND R. KIRK, STOCK BROKER,
Consols, Foreign Bonds, Railways, and every security quoted on 'Change bought
and sold. Fortnightly accounts opened.
Bankers: London and Westminster, and City Bank.

 BUYER—60 Cardiff & Swan., £3¼.
 100 Frontino, 8s.

 0 Cardiff & Swan., £3¼.
 100 Frontino, 8s.

 10 Clee Hill, 7s. 6d.
 10 Bison & Cruup.

 0 Chapel House, £4.
 20 Birdseye, £2¼.

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1818

5 Cape Copper. 20 Newport Aber., £3¾. 50 Javali.

## 20 Thorp's Gawber. ## 40 Tyllwyd, 21s.

## 20 Thorp's Gawber. ## 40 Tyllwyd, 21s.

## 20 Richards & Co., £1½.

## 20 Richards & Co., £1½.

## 20 Whitehaven Iron, £6. Bikon and Crump, and Thorp's Gawber, if applied for at once, may be had on sty advantageous terms.

BUSINESS in Sweetland, Tankerville, Frontino, Central Swedish, Welsh Free-

R. WILLIIAM WAD

(Late WARD and LITTLEWOOD),

CROSBY HOUSE, 95, BISHOPSGATE STREET WITHIN, E.C.,

DEALS in ALL KINDS of STOCKS and SHARES, for cash or the account WARD

MR. HENRY MANSELL, STOCK AND SHARE DEALER, 14, GREAT WINCHESTER STREET, LONDON, E.C. R.M. recommends the purchase of Colorado Terrible shares.

MR. THOMAS THOMPSON, JUN., 1, PALMERSTON BUILDINGS, BISHOPSGATE STREET, LONDON, E.C.

Remarkable hints as to the purchase of mining shares will be found in Mr. Rempson's "Investment Circular" for October now ready, post free, price 6d.

M. W. TREGELLAS, 122, BISHOPSGATE STREET WITHIN, E.C.,

Deals in all descriptions of Stocks and Shares at close market prices.

M ESSRS. W. J. TALLENTIRE AND CO.,

3, CHANGE ALLEY, CORNHILL, LONDON, E.C., transact business in

A steeked List of Sate Investments forwarded to intending investors post free

apparapplication. Fourteen years' experience.

MESSES. W. DUNN AND CO., STOCK AND SHARE DEALERS, 3 AND 4, GREAT WINCHESTER STREET BUILDINGS, Orders received and commissions executed.

Bankers: National Provincial Bank of England.

MR. GEORGE BUDGE, STOCK AND SHARE DEALER, Ro. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 24 years),

E. SIMPSON, STOCK AND SHARE DEALER,
6 SPEAT WINCHESTER STREET BUILDINGS, LONDON, E.C., will
5 Sindays Oct, 22 6a, 3
10 Chape Homes, 24 1/4.
10 Chousles, 12b, 5d.
11 Data Lorell, 211/4.
12 Deat Lorell, 211/4.
13 Special, 41 1/4.
14 1/5a, 3d.
15 Pendark, 44 1/5a, 3d.
16 Pendark, 44 1/5a, 3d.
17 Parys Mountain, 7s.
18 Pendark, 44 1/5a, 3d.
18 Pendark, 44 1/5a, 3d.
19 Pend SPECIAL BUSINESS in the Live Stock Insurance Company of Great Britain (Smited), and the Crystal Palace District Cemetery Company (Limited).

RITIES, FOREIGN GOVERNMENT BONDS, &c., forwarded to bona fide investors on application. In addition to the high rate of interest many of the above are paying, there is now every probability of a great rise in market value. P. WATSON, STOCK AND SHARE DEALER, 79, OLD BROAD STREET, LONDON. (Three doors only from Hercules-passage, entrance to the Stock Exchange.) Twenty-nine years' experience. Bankers: The Alliance Bank, and the Union Bank of London. rences given and required (when necessary) in all the principal towns of the United Kingdom.

MR. T. E. W. THOMAS, SWORN SHARE BROKER, 3, GREAT WINCHESTER STREET BUILDINGS, E.C. Established 1857.

The following are the latest prices at which business could be done. Holders of mining shares desiring a market quotation for their stock can have their application answered in this list if received not later than Four P.M., on Fridays:—

Buyers, Selle	Buyers. Sellers.
Birdseye Creek £ 21/ £ 2	
Bog 3s 5s	
Carn Brea 57 56	
Chapel House Colliery 334	
Chontales 11s 12s.6	d. Rosewall Hill 5s 7s.
Clas Will Collisons 7s 4d Os 6	d. St. Ives Consols 6 7
Clee Hill Colliery 7s. 6d 8s.	d. St. Ives Consols 6 7
Cook's Kitchen 91/2 10	South Aurora 10s 12s.6d.
Devon Great Consols 1	1/8 South Carn Brea 13/6 15/8
Ding Dong 7 8	South Condurrow 3 31/4
Dolcoath 47 45	
Eberhardt 434	Sweetland Creek 234 23/4
East Lovell 1114 11	½ Tankerville 73% 73%
Emma	Tecoma 7s. 6d 10s.
Flagstaff 2 2	¼ Tincroft 30 32
Gawton 6s 8s.	Unity Wood 48 68.
Ladywell 93/ 9	Van 2214 25
Last Chance 1 1	1/8   Van Consols 1/8 21/8
Marke Valley 18s, 20s.	West Chiverton 2 21/4
Parys Mountain 5s 7s.	West Tolgus 74 76
Penhalls 11/2 1	Wheal Grenville 5 51/2
Pennerley 11/2 1	Wh. Kitty (St. Agnes) 5 51/2

BARTLETT AND CHAPMAN STOCK AND SHARE DEALERS, FINSBURY SQUARE BUILDINGS, LONDON, E.C. CHAPMAN,

Shares Bought and Sold at the closest net market prices.

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Business transacted in Railways, Foreign Bonds, Erie, Lombard, and all other
shares for account. Mining Shares of all kinds bought, sold, or exchanged.
Orders by telegram promptly executed. Sound securities to pay 10 per cent.
recommended. Bankers: The London Joint-Stock Bank.

MR. WM. MARLBOROUGH, STOCK AND DEALER, 29, BISHOPSGATE STREET WITHIN, LONDON, E.C.
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MESSES. ENDEAN AND CO., STOCK AND SHARE DEALERS, 85, GRACECHURCH STREET, LONDON, E.C. Government and every negociable Stocks dealt in for cash or account. Order and telegrams punctually attended to.
We advise immediate application and purchase of the Bampfylde and Llan RWST shares. A rise in price is inevitable.

MESSRS. SMITH AND CO., 126, BISHOPSGATE STREET WITHIN, LONDON, E.C.

Messrs. SMITH and Co. Transacts Business in every species of Stocks and Shares. SPECIAL BUSINESS in Chapel House, Blaen Owmbach, Alitami, and Clee Hill Collieries; Malpaso, Malabar, Sweetland. and Birdseye Creek; Great Laxey, Tyllwyd, and Grogwinion and Mellindur Valley Shares.

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HARLAND AND CO., STOCK AND SHARE DEALERS,
235 and 236, GRESHAM HOUSE, LONDON, E.C.,
Transact business in Kingston Valley, Chapel House, Alltami; Cardiff and Swansea, Welsh Freehold, United Bituminous, and Clee Hill Collieries—Tankerville,
West Tankerville, Lovell, Denbighshire, Tyllwyd, Roman Gravels, Birdseye
Oreek, Sweetland Creek, and every description of Stocks and Shares.
Circular and Daily Price-List gratis.
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Railway, Bank, Foreign Bonds, and all other Stocks and Shares for Investment or Speculation. Investment or Speculation.

SPECIAL BUSINESS in the following:

Bampfylde.

5PECIAL BUSINESS in 50 Bampfylde.
20 Bilson and Crump.
30 Birdseye, 46s. 9d.
50 Bog, 4s. 3d.
50 Blue Tent.
30 Cardiff & Swan., £3%.
75 Chapel House Col.£43/
70 Chontales, 12s. 9d.
70 Chontales, 12s. 9d.
50 Cice Hill Col., 8s. 9d.
5 Cook's Kitchen, £93/.
3 Dolcoath, £45.
65 Don Pedro.
40 East Grenville.
15 East Lovell, £111/.
35 Eberhardt, £4 18s. 9d.
30 Emma, £2s.
45 Flagstaff, 40s.
100 Frontino, 10s. 9d.
46 Glaisdale Quarry.
100 Gold Run, 10s. 9d.
45 Gawton, 10s. 9d.
45 Gawton, 10s. 9d.
40 Hingston, 23s. 9d.
70 Javali, 6s.
50 Ladywell, £2%. Bankers: London and Westminster.

35 8o. Carn Brea. 33s. 9d.
35 South Prince Patrick.
60 So. Rom. Grav., 15s.
30 Sweetland, £234.
45 Thornhill Reef, 9s.
10 Thorp's Gawber.
100 Tecoma, 8s. 9d.
50 Tyllwyd, 21s.
26 Tankerville, £714.
4 Thoroft, £304.
50 United Bituminous.
50 Utah, 3s. 6d.
5 Van, £23.
70 Van Consols, 42s. 6d.
40 Wedgwood Coal.
40 Welsh Freehold.
30 W. Tankerville, 14s.
80 West Maris, 7s. 6d.
50 West Mostyn.
55 W. Esgair Lie, 38s. 9d.
30 West Gorland.
25 Wheal Grenville, £5½.
10 W. Chiverton, 43s.
80 Yorke Peninsula, 11s.
er. 60 North Frince Patrick, 20s. 6d. 75 Old Treburgett, 12s. 90 Parys Mountain, 6s 6d 40 Pennerley, 32s. 100 Penstruthal, 12s. 60 Plynlimmon, 5s. 9d. 70 Port Nigel. 130 Port Phillip, 12s. 6d. 100 Prince of Walcs. 50 Roman Gravels. £14 100 Prince of Wales.
30 Roman Gravels, £14.
55 Rookhope, 11s.
75 Riea, 6s. 6d.
25 Richmond, £6½.
20 Russia Copper.
75 Sierra Buttes.
40 Silkstone Fall, 40s.
100 Bouth Aurora, 10s.

MR. T. P. THOMAS, MINING AGENT, 79, CHEAPSIDE, LONDON.

The most reliable advice given as to the value and prospects of Mines and Collieries, and commissions for sale or purchase of shares executed at the closest prices. Has SPECIAL BUSINESS in Prince Patrick, Pennerley, and Liwyn Teify Lead Mines, which he can confidently recommend.

Has also FOR DISPOSAL a VALUABLE COLLIERY, producing pure anthractite coal for malting; and, in addition to the coal, several beds of RICH IRON-STONE, which can be worked simultaneously with the coal.

Mines inspected and reported upon at a moderate charge.

C H A R L E S T H O M A S, MINING AGENT S, GREAT ST. HELEN'S, LONDON, E.C.

MESSES. A. W. THOMAS AND CO..

10, COLEMAN STREET, E.C.,

MINING AGENTS, AND STOCK AND SHARE DEALERS.

"Invectments and Speculations, 1874."—Post free upon application.

PRINCE PATRICK, AND SOUTH PRINCE PATRICK.—Information of these mines, which are comparatively unknown to the public, may be obtained upon application. Shares bought and sold at market prices.

PENNEREEY.—We strongly advocate the immediate purchase of shares, and can deal either as buyers or sellers.

MESSRS. PENNINGTON AND CO., 3, ROYAL EXCHANGE
BUILDINGS, E.C., STOCK AND SHARE DEALERS, have BUSIBirdseye, Tecoma.
Emma. West Wheal Gorland.
Flagstaff. Gold Run,
Flagstaff. Position.
Flagstaff. Position.

Flagstaff, Kitty (St. Agnes), Cedar Creek, Pacific. Malabar.

Rica. West Esgair Lie.

Parties wishing to purchase or sell in the foregoing are requested to make early application. PENNINGTON AND CO., SWORN BROKERS.

TO INVESTORS.

MESSRS. PENNINGTON AND CO.'S "MONTHLY RECORD OF INVESTMENTS," published on the first Thursday in each month, contains an exhaustive Review of the British and Foreign Stock and Share and Money Markets, &c., with an enumeration of safe investments, paying from 1 to 20 per cent. Price 6d. per copy, or 5s. annually.

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MESSRS. HARVEY, JORDAN, AND CO. undertake personally the INSPECTION of MINERAL PROPERTIES, the MANAGEMENT of OOMPANIES entirely, or partially by keeping the accounts at their effices, or by periodical visits to the properties; AUDITING of ACCOUNTS, ARBITRATIONS, &c. They advise as to Investments in Shares and Properties, and as to the Construction and Erection of Machinery, They assist in bringing bona fide undertakings before the public. A good board-room for directors' meetings. Moderate professional charges.

MR. THOMAS BELT, MINING ENGINEER, is about to VISIT COLORADO and CANADA on special business, and can UNDERTAKE other MINING COMMISSIONS in the STATES or DOMINION.

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THOMAS EDGLEY AND CO.,
AGENTS for the PURCHASE and SALE of
COLLIERIES, AND OTHER MINERAL PROPERTIES, &c.
MANSION HOUSE CHAMBERS,
12, QUEEN VICTORIA STREET. LONDON, E.C.

MESSRS. J. TAYLOR AND CO., 86, LONDON WALL, E.C. and MINING EXCHANGE, SOUTH KING STREET, MANCHESTER, MINIS ESGINEERS AND UNSPECTORS.

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STOCK AND SHARE BROKERS
SS, PORTLAND SHARE BROKERS

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TEN PER CENT. DEBENTURES.

TEN PER CENT. DEBENTURES.

VR. J. H. MURCHISON, 8, AUSTIN FRIARS, E.C., is authorised to RECEIVE APPLICATIONS for DEBENTURES, being a FIRS1 MORTGAGE CHARGE on a VALUABLE COLLIERY and PLANT, on which nearly £13,000 has lately been expended (more than half of it on plant and machinery). The present output is nearly 1000 tons of coal a month, which it is expected will be nearly doubled in a short time, and be still further greatly increased pected will be nearly doubled in a short time, and be still rurther greatly increased soon afterwards. The Debentures are £80 each (payable in two instalments, bearing interest at the rate of 10 per cent., payable half-yearly (1st of March and 1st of September). The total amount is £5000, of which £1000 is already subscribed for. Debenture holders can be supplied with best house coal at the selling price at the pit's mouth, at present 15s. per ton. Every facility will be given to bona fide investors to examine the property and the books.

GENTLEMAN, who has a good knowledge of IRON MINES and RAILWAYS, seeks a SITUATION at home or abroad.

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TWO HUNDRED SHARES IN KILLIFRETH TIN MINE, CORNWALL.

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TRON MINE FOR SALE.—
The lode is large, and of good quality. Samples can be seen, and the mine visited, on application to Mr. Thomas Letcher, Redruth.

950 BLAKE'S PATENT ORE-CRUSHERS NOW IN USE.

catalogues, apply to-MB. H. R. MARSDEN, SOHO FOUNDRY, LEEDS. Only maker in the United Kingdom.

MR JOHN CARTER, MINE SHARE DEALER CHARGE DEALER CAMBORNE, CORNWALL, transacts business in every description of shares at close market prices of the day.
Dolcoath, Timroft, Carn Brea, West Frances, Cook's Kitchen, and West Basse should be bought at present prices.

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The PROPRIETORS of this PATENT METHOD of TREATING LOW-CLASS SILVER and COPPER ORES are PREPARED to GRANT LICENSES for its USE at LOW ROYALTIES.

There is hardly a Mixed Metal mine in the world but may be made to pay dividends under this system.

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#### ELEMENTS OF METALLURGY;

A PRACTICAL TREATISE ON THE ART OF EXTRACTING METALS FROM THEIR ORES.

By J. ARTHUR PHILLIPS, M. Inst. C.E., F.G.S., F.C.S., &c.,

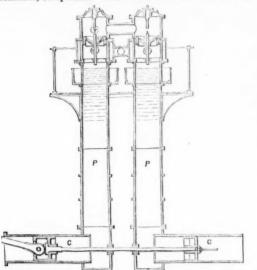
Ancien Eléve de l'Ecole des Mines, Paris; Author of "Mining and Metallurgy of Gold and Silver," &c.

"The statistics and analyses here given represent both labour and time which it is difficult to estimate. \* \* The eagerly sought for by Students in Science and Art, as well as by practical Workers in Metals."—Colliery Guardian. The work will London: CHARLES GRIFFIN AND COMPANY, 10, Stationers' Hall-court.

#### Original Correspondence.

#### PILGRIMAGE TO ST. GOTHARD-No. III.

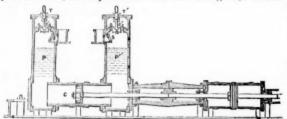
The improvements introduced in the construction of the air compressors are even greater than those which have been made in the rock-drills; and as we were fortunate enough to obtain tracings of some of the principal modifications, their relative advantages can be more readily shown. The first diagram represents the Mont Cenis (Bardonnèche) compressor. At Bardonnèche there were seven build-



C, are the cylinders filled with water, wherein the pistons move; P P, are the vertical chambers; S S, are the inlet valves communicating with the external air R'S', are the escape valves through which the compressed air passes; and T, is the tub through which the compressed air is conveyed for use.

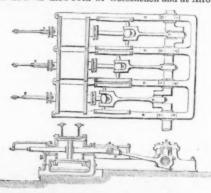
tub through which the compressed air is conveyed for use.

ings and seven water-wheels, driving 28 pumps; each building was
17 metres long and 17 metres wide, giving a surface of 289 square
metres for each building, or 2023 square metres for the whole. As
to the volume of air aspired per minute, we find that one cylinder
at each stroke (maximum stroke 1\*50 m,) drew 424 litres of air, so
that seven revolutions per minute gave 2968 litres, or for the four
pumps connected in a group 11,872 litres of air per minute; therefore, with the seven groups or 28 pumps which were used, 83,10litres of air were compressed. In each pair of pump cylinders
1850 litres of water were contained and put in motion each time
the air was taken in. The weight of the water and moving parts of
the machine put in motion at each stroke was 2000 kilos, at Bardonnéche, and 2800 kilos, at Modane. The Scraing system, as applied at Airolo, and represented in the second diagram, shows im-



portant progress in point of simplicity, though but little increased efficiency as compared with the Bardonnèche compressors. The building, which contains two double cylinder pumps, is 15½ metres long and 14½ metres wide, and thus occupies an area of 224·75 square metres. The extent of the stroke is 1·20 metres, and at each stroke 180 litres of air is taken in. The normal speed, and when this is increased the useful effect is considerably diminished, is 14½ revolutions per minute, giving 2610 litres of air, or 10,440 litres of air per minute for the four air cylinders included in the group. In this arrangement the quantity of water contained in the pump and put in motion at each stroke is 560 litres, and the temperature of the compressed air at 5 atmospheres, effective, is from 30° to 34° centigrade. For each 300 litres of air compressed 1 litre of water is introduced, and the two compressor cylinders take in nearly 5½ cubic metres of air per minute, or 10½ cubic metres for the four cylinders coupled to the same fly-wheel.

But the high speed of working which has been attained by Mr. Favre in the driving of the St. Gothard Tunnel would, probably, never have been reached but for his adoption of the improved compressor of Prof. Colladon, represented in the subjoined diagram, and which is now in used both at Goeschenen and at Airolo. At



occupies an area of 301.76 square metres. Each half-stroke of the piston comprises 71 litres of air. As a speed of 85 revolutions per minute is maintained, there are 170 half-strokes per minute, giving 12,070 litres of air, or 36,210 litres of air per minute, for the group that the strokes are the str of these cylinders, so that with the four groups, which occupy but one-third more space than the Seraing apparatus, and consume considerably less power, the quantity of air compressed is 144,840 litres per minute, instead of 10,440 litres. The weight of each group of three pumps, with accessories complete (frames, shafts, tubes, &c.), is but 9500 kilos, or 9½ tons. The water injected is 1 litre for each 1000 litres of air compressed, and the temperature of the compressed air at 6 atmospheres effective is from 34° to 35° centigrade. Each group of three cylinders compress 36½ cubic metres of air per minute.

of the compressed air at 6 atmospheres effective is from 34° to 35° centigrade. Each group of three cylinders compress 36½ cubic metres of air per minute.

In taking leave of the tunnel a few words may not be out of place as to the system of driving. The opinion is expressed by many practical men that it is a mistake to have the leading heading under the crown instead of on the floor of the tunnel, and at first sight there certainly appear to be grounds for this objection; yet upon mature consideration it will be seen that the St. Gothard system has so man, and important advantages as fully to justify Mr. Favre in adopting it. He is much pressed for time, having undertaken to complete the tunnel so quickly that many are of opinion that he is sure to lose by his contract, because the completion is impracticable. We have more confidence in Mr. Favre's sagacity, and believe that ere long he will find it practicable to work three faces at each end by machine-drills, and that even 6 metres per day in the advance heading will be exceeded. With the leading heading on the floor of the tunnel only one set of machine-drills can be worked to the best advantage, but at the present time with the St. Gothard system it is easy to have three, and we shall shortly find Mr. Favre using machine drills not only in the places A and B shown in the small diagram in last week's Journal, but for the removal of the portion D also. All that is required to permit of the advantageous application of this arrangement is strict discipline, and this already exists to such an extent at the St. Gothard Tunnel that there is absolutely no difficulty in the matter. Mr. Favre has already proved that he can attain a speed which all previous he gineers have regarded as impracticable, and we do not hesitate to predict that he will complete the tunnel so well and rapidly as to secure for himself the foremost position among railway engineers of modern times. cure for himself the foremost position among railway engineers

#### NEW SYSTEM OF MINING-THE DIAMOND ROCK DRILL,

The large extent to which the uncertainties connected with mining enterprises are diminished by judicious preliminary explorations by boring is now very generally recognised, and although the diamond rock drill is acknowledged to be far in advance of all other contrivances for this purpose, it will not be uninteresting to enquire into the nature of the work which has been done with it, and the average rate of speed attained. We may say at once that we do not regard the diamond drill, and the various forms of percussive drills, as competitors with each other, but consider the former to possess a field of its own, owing to the facility with which in exploratory operations it can be used to ascertain, by the actual examination of the cores brought to surface, the exact character of the rocks passed through, and to the applicability of the diamond drilling system. the cores brought to surface, the exact character of the rocks passed through, and to the applicability of the diamond drilling system, and that only, to the boring of holes hundreds of feet deep, without appreciable loss of power or increased inconvenience. The machinery required for running the drill is excessively simple, for really all that is necessary is to give the cylinder which carries the diamonds a rotation at the rate of about 250 revolutions per minute, at which speed it is found that the maximum of work is done in proportion to the power employed. The boring rods are hollow, and on the top end of the series is placed a water union, joined up to a force pump by means of flexible hose and wrought-iron pipes. The force pump being driven, by suitable gearing, on the lower end of the rods is placed the crown, which is merely a piece of steel tube, thus set with carbonate (or diamonds in an uncrystallised state): thus set with carbonate (or diamonds in an uncrystallised state):— Holes are first bored in the end of the crown, of a size a little less than the diamonds to be inserted, and then cut exactly to the shape than the diamonds to be inserted, and then cut exactly to the shape of the piece of diamond, which is then placed in the hole, and the metal of the crown drawn round it on every side by means of a punch, leaving only a very small portion of the stone projecting beyond the surface of the crown. Hollows are then cut between the stones, to allow the water to pass freely while the crown is at work; the water answering the double purpose of keeping the crown cool while boring and washing the debris resulting from the boring to the surface of the ground.

The working of the diamond drill, especially in hard rock, which by other systems would be almost impenetrable, is most satisfactory.

The working of the diamond drill, especially in hard rock, which by other systems would be almost impenetrable, is most satisfactory, and probably the best evidence of the value of the drill which can be furnished is that afforded by a reference to the progress made in some of the bore-holes at present being put down. In the Darlington district a boring was commenced in ironstone on Aug. 3, and the depth of 495 ft. had been reached by Oct. 3. Another hole, in boulders and clay, on Dec. 13, and 510 ft. was reached by Oct. 3. In this case considerable difficulty was surmounted, owing to the softness of the ground and the difficulty in getting in the lining tubes, the result being that for six months the hole was entirely still. They are now just through the difficult ground, and will go on more rapidly. On March 31 a hole was commenced, in which they came upon, perhaps, 100 ft. of ground consisting of hard and soft ground alternately, and very difficult to deal with, as it was necessary to re-bore and line the hole, yet by Oct. 3 a depth of 566 ft. had been reached. A hole commenced on Feb. 2 was down 1033 ft., although they were stopped two months getting out old tubes, so had been reached. A hole commenced on Feb. 2 was down 1033 ft., although they were stopped two months getting out old tubes, so as to re-bore the hole, and guard against falling in. A boring for salt, commenced on April 15, went through 1023 ft. of marl and sandstone by Oct. 3. By the same date a boring in the ordinary coal measures, commenced on Feb. 9, was down 1264 ft. A 7-in. hole, commenced on Aug. 24, in red sandstone and marl, was down 105 ft. by Oct. 3, although there had been several days stoppage through the breaking down of the machinery. Another hole, commenced on June 10, 1873, was completed to a depth of 1014 ft. by July 18, 1874, although great difficulty was encountered through the alternations of hard and soft material, and the large quantity of lining tubes that had to be put down. Almost innumerable other examples of the same kind might be referred to, but these will suffice, since they show that even under the most unfavourable circumstances 169 fms. can be sunk in 13 months, or at the rate of 13 fms. per month on the average; and that where the rock is hard the latter place the building for containing four turbines and twelve pumps is 32-80 metres long and 9-20 metres wide, and, therefore, can be got through in 12 weeks, or at the rate of nearly 13 fms, per

week, a hole commenced on July 19 in sandstone and marl having reached 900 ft. by Oct. 3. It will, of course, be understood that in these cases the object has merely been to put down the bore-hole and bring up the required specimens of the strata, and that there has been no debris to be moved, as would be the case in ordinary mining, but the nature and the value of the rocks will have been cheaply and expeditiously ascertained, and those concerned will have been given the means of determining whether or not their contemplated mining operations are likely to prove remunerative.

In developing his invention Major Beaumont has ascertained some very interesting facts with regard to the hardness of gens, and thus been enabled to remove some erroneous notions which previously prevailed. It will be recollected that the diamond used in the drill are not the gems but the cheap form of the mineral carbonate, which not long since was quite unsaleable, and was then applied only for the cutting of other diamonds. Large quantities of it are obtained from Brazil, and Major Beaumont anticipates that talthough none has yet been found in the Cape diamond field it will probably be met with wherever the diamond is found. It suggests that the carbonate is a very imperfectly crystallised diamond, and that it is this which gives it its special value for his purpose, as it has no, or next to no, cleavage, and consequently dos not split up and break in the way that a jewel diamond, or a pieze of boart, would do; he regards boart as standing half way between the jewel diamond and carbonate. Taking the tables of hardness given by acknowledged authorities, Major Beaumont found the hardness of diamonds from Ormus stated at 20, whilst coloured diamonds were marked 19; rubies and sapphires, 17 to 16; topag. 15 to 14; emerald, garnet, agate, and onyx, 12; and quarts, 10. And there being plenty of corrundum or rubies and sapphire in the markets at merely nominal prices, as compared with carbonate, it naturally suggested itself to him that if h naturally suggested itself to him that if he could replace diamond by corundum the commercial advantage would be considerable. But experiments soon dispelled all allusions, by proving to him that the accepted tables both for sapphires and corundum were altogether erroneous. He set a piece of carbonate in a suitable holder, and held it against a grindstone; the carbonate turned the grindstone down. On trying the same experiment with the other minerals the grindstone turned them down, from which he concluded that the diamond stands in point of hardness, or resistance to abrasion (if the two be not synonymous terms), enroneusly in advance of any other known material in nature. It would have been still more interesting to learn whether in the test with concluding Major Beaumont was careful to ascertain if the corundum has hard and soft corners, such as diamonds are known to have, as has hard and soft corners, such as diamonds are known to have, as it might then have been determined whether by judicious setting of corundum cutters there are any circumstances under which the

of corundum cutters there are any circumstances under which the mineral might be used for boring purposes, not perhaps as aubstitute for the carbonate, but where the extreme hardness of the carbonate can be dispensed with.

The mechanical details of the diamond drill were given in apaper read by Mr. J. Ker Gulland before the Midland Institute of Mining Engineers, a few months since, and fully referred to in the Journal at the time, and the testimonials which the Diamond Rock Boring Company have received have been very numerous, and highly encouraging; it will, however, suffice to refer to two or three of the most recent. The Rev. Dixon Brown, of Unthank Hall (Oct. 1), writes that "a great depth has been bored in, comparatively, a very short time: a perfect section of the various strata has been brought up in the core, and the position and thickness of the seams of coal that have time: a perfect section of the various strata has been brought up in the core, and the position and thickness of the seams of coal that have been reached he has every reason to believe have been accurately given." Mr. Bouch, of Shildon (Oct. 2), states that the machine "has got over difficulties in their case which could not be accomplished by any other boring apparatus that I am acquainted with." and Messrs. Gjers, Mills, and Co., of the Ayresome Ironworks, Midlesborough (Oct. 2), state that they "are perfectly satisfied with the result of the two bore-holes you put down for us at Coldsides and Thornton Hall, the latter hole being being put down to 536 ft in about eight weeks. By no other method of boring could we have got such perfect and tangible record of the strata we went through. We are satisfied that the minor defects the machine still has to contend with are far outweighed by this one consideration—that you got such perfect and tangible record of the strata we went through. We are satisfied that the minor defects the machine still has to contend with are far outweighed by this one consideration—that you are able plainly to see with your own eyes the exact state of the strata you are passing through." The actual cost of sinking with the diamond drill is found in practice to be as nearly as possible the same as with hand labour, but the saving in time is enormous, resulting, of course, in a large saving in fixed charges of every kind, so that in the case of the Philadelphia and Reading Coal and Iron Company's pits, which are to be 1500 ft. deep, one being 15 ft. 8 in. by 13 ft. 6 in., and the other 21 ft. 8 in. by 13 ft. 6 in., it is believed the cost will not exceed 30 ft. per fathom. Each drill will make 6 fms. of hole per day of 24 hours, and in the shaft just mentioned there are five drills, each making five holes, so that 25 holes are put in in the area of each shaft. Upon an average the diamonds require-setting, so as to present a fresh grinding surface, after from 29 to 300 ft. of rock has been bored through. The Diamond Rot Boring Company in this country undertake the work themselves and put down bore-holes at the price of 8s. per foot for the first 100 ft., 16s. per foot for the second, 14. 4s. for the third, and so a increasing 8s. per foot for each additional 100, until at the depth of 1500 ft, the price becomes 6t. per foot; beyond that depth special rates are charged.

Such evidence as this leaves no doubt as to the efficiency of the diamond drill for deep horing, and establishes the importance of the

Such evidence as this leaves no doubt as to the efficiency of the Such evidence as this leaves no doubt as to the efficiency of the diamond drill for deep boring, and establishes the importance of the invention, not only for facilitating exploratory operations, but also for aiding the new American system of shaft sinking, recently described in the Journal, and certainly calculated very materially to ensure the utmost economy, and prevent any unnecessary delay in bringing mining operations into profitable working condition.

#### ON MECHANICAL PUDDLING.

The first meeting of the Society of Engineers for the Session 1874-5 was held on Monday evening in the Society's Hall in Westminster. Upon taking the chair the president, Mr. W. Macgeoga, congratulated the members on the success which had attended the visits made during the vacation to engineering and other works. visits made during the vacation to engineering and other works. After the nomination of new members and associates and other routine business, a paper was read by Mr. Perry F. Nursey "(mechanical Puddling." The author gave a complete history of the rise and practical progress of mechanical puddling, the various mechines being illustrated by diagrams, and the results of practice presented by samples of products. He first described the ordinary process of hand puddling as given to the world by Cort in 1784, and still generally practised, referring next to various attempts to relient the puddler in the summer part of his work by means of steady worked rabbles, such as that of M. Dormuy and the Joe Pickle steam-puddler in use by the Kirkstall Forge Company. The first design a revolving puddling-machine were Messrs. B. P. Walker and J. Warren, who in 1853 proposed a circular fire-brick chamber, case with iron and rotating on its horizontal axis. Messrs. Walker and Warren did not, however, carry their invention into practice, but they were followed by M. W. H. Geath, in constinution with Mr. J. Warren, who in 1853 proposed a circular fire-brick chamber, as with iron and rotating on its horizontal axis. Messrs. Walker as Warren did not, however, carry their invention into practice, by they were followed by Mr. W. H. Tooth, in conjunction with five warrend the state of Middlesborough, however, experimented in the same direction and found that he overcame the instability of the lining by meling and found that he overcame the instability of the lining by meling and found that he overcame the instability of the lining by meling and found that he overcame the instability of the lining by meling and found that he overcame the instability of the lining by meling and found that he overcame the instability of the lining by meling and found that he overcame the instability of the lining by meling and state of the state of t

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marcial sense, and every endeavour was being used to bring about the desired result. In America, also, the author stated the Danks furnace had not proved altogether successful, the system having been abandoned by General Wilder at Chattanooga. Mr. Spencer's estempts to solve the question of mechanical puddling at West Hardepool were favourably noticed, as were also those of Mr. Selers, in the United States, although neither had yet proved commercially successful, which proof, the author observed, demanded that an invention should be as capable of universal application as seasoned by the successful with the product of universal application as the ordinary puddling system. The Siemens rotative furnace that an inversion a space of the control of the con as adapted by Sir John Alleyne at the Butterly Works for mechanical puddling, was stated by the author to be at present under probation, no absolute and reliable result having yet been attained. Mr. (rampton's powdered fuel rotary puddling-furnace was next described at length by Mr. Nursey, and the results of its successful working in the Royal Arsenal, Woolwich, were stated and were exemplified by a series of samples of iron and steel of exceptionally high quality. The author stated that Crampton furnaces were replacing the Danks furnaces at one establishment in England, where they had been inuse, and that at the Carlton Ironworks and those of Messrs. Fox, Head, and Co., a number of Crampton furnaces were being erected, and would soon be in operation. The and those of Messrs. Fox, Head, and Co., a number of Crampton furnaces were being erected, and would soon be in operation. The
author finally reviewed the whole subject, his conclusions being
that at present not one system of mechanical puddling had absolately satisfied the conditions demanded of commercial success.
There still remained some hope for Mr. Danks, but under improved
mechanical conditions. It was probable, too, that Mr. Sellers might
prove his machine a success. Mr. Crampton, however, appeared to
lave the first chance, for not only had he demonstrated that the best
results were obtainable in continuous working from his furnace, but
full those results were attained with coal dust, an article which in hat those resuits were attained with coal dust, an article which in that mose results were attained with coal dust, an article which in itself was comparatively worthless, and the use of which would meatly conduce to the economy of the Crampton system.

ECONOMICS OF GAS-THE SILBER LIGHT. - The improvements ECONOMICS OF GAS—THE SILBER LIGHT.—The improvements in lamps introduced by Mr. A. M. Silber formed the subject of a lecture by Prof. E. V. Gardner, which for a considerable time attracted large audiences to the Royal Polytrchnic, and on Thursday erening the Professor delivered for the first time an entirely new and important lecture upon a cognate subject—the Economics of Gas; the New Silber Gas Burner. Prof. Gardner ably narrated the origin and birth of coal gas, and the early attempts at gas making. origin and birth of coal gas, and the early attempts at gas making. After describing the ordinary forms of gas burners, he pointed out the importance of the oxygen supply, and paid a well-merited compliment to the genius and ingenuity of Argand. Referring to the dimney, he explained the importance of considering the proper size of the burner, and gave some interesting facts with regard to gas burners in general. He then directed attention to the new silber lamp and the Silber gas burners, and demonstrated their economy, and the progress Mr. Silber had made in the construction of lamps without glass chimnies, of his punkah burner, and of the consecutive Argand tubulated burner. The lecture was fully illusmated by experiments, which were highly appreciated by the audience, was occupied by a new lecture entertainment—What I Saw in the Highlands, or Three Days in Athole—written by Dr. Croft, and by the Highlands, or Three Days in Athole—written by Dr. Croft, and by delivered by Mr. J. L. King, and then followed the entertainment of Zitella, an adaptation of Cinderalla, which is accompanied much lively singing and music, well calculated to please the technic visitors. With regard to the Silber gas burners, it may on the out of place to state that they have been used for some time the Mining Journal office, and that they certainly give a pure and brilliant light, which fatigues the eyes much less than when the dinary burners are employed.

NATURAL GAS FOR FUEL.—In reply to enquiries from this office, we have received from Messrs. Rogers and Burchfield, the makers fawell-known brand of sheet-iron, the following facts in relation to the use of gas for fuel at their works at Leechburg, Pa.: "The sekly production of our Leechburg works is about 70 tons of sheet-bu; to make this amount 9100 bushels of coal, or 130 bushels per to, would be required if we used coal for fuel. We have now been make this amount 5100 ousness of coal, or 150 ousness per mi, would be required if we used coal for fuel. We have now been sing gas for about seven months, procuring it from an abandoned if well, 1250 ft, deep, situated about 1000 ft. from the works, and sum which the gas is conveyed by a 3-in. pipe. The branch pipes shing to each furnace are \( \frac{1}{2} \) in. in diameter. We make all our steam silt gas; we have one battery of four boilers driving an engine of \( \frac{1}{2} \) for stroke, 30 in. in diameter, at the rate of \( \frac{4}{2} \) 5 strokes per minute \( \frac{1}{2} \) for the recovery forms of wheat rolls and one har train the same boilers steam being taken to drive two hammers; the same boilers steam being taken to drive two hammers; the boiler furnishes steam for a blowing cylinder which supplies be blast for seven knobbling fires and one refinery; another boiler maishes steam for a small engine driving the rolls for the manustare of tin-plate; the gas is applied directly in five puddling maces, in which the waste is some 3 or 4 per cent. less than with all, and the quality of the iron is greatly improved; we also furish gas for four sheet furnaces, and find it much superior to coal, the balls in these furnaces, being about 5 per cent. less than with coal. that in these furnaces being about 5 per cent, less than with coal, at further advantages gained are softer iron and a finer surface to be sheet; we have three large annealing furnaces, where we anneal airtight boxes, putting about 10 tons in each box, requiring about a hours to complete the process of annealing, and, we think, saving bout one-half in annealing boxes; and in the tinning establishment be bots of in into which the cheets of iron are divined are also pots of tin, into which the sheets of iron are dipped, are also sated by gas. To use gas there is no change required in the connection of puddling furnaces, except that we use the patent water traction of puddling furnaces, except that we use the patient state. These necks are an absolute necessity in using gas for fuel, without them the intense heat generated by the gas destroyed the ming of the stack and melted off the dampers as fast as we could have been appearance burn out, and the range of the stack and melted off the dampers as fast as we could place them. The grate bars, however, never burn out, and the addlers' tools last about three times as long as they did when we sed coal. In our heating furnaces where we cannot use waternecks are compelled to use a jet of steam to lesson the heat. Our protein has increased about 33 per cent. since we began to use gas, if the iron made commands from \$10 to \$20 per ton more than a same class of iron manufactured at our Apollo Works, where we see coal, the iron being made from the same class of stock."—

history the American from and Steel Association, Sept. 24.

STEAMGENERATORS.—An invention patented by Mr. A. V. Newton Mr. W. E. Kelly, of New Brunswick, consists mainly in a longitudinal particles in communication at the back end of the tube in combination with pockets diag upwards within the chamber at the front end of the tubes.

ELSCIRO-GALVANIC QUICKSILVER SAVING APPARATUS.—We exclude the other day the quicksilver saving apparatus invented by Joseph Potts, White Pine, which has just been made in this city. The apparatus was shipped is wet, triginia, where it will be placed in a mill belonging to John P. Jones, thoughly tested. It was tried with great success at the Eberhardt and Aurora at the property of the saving TRO-GALVANIC QUICKSILVER SAVING APPARATUS.—Weex-

#### Registration of New Companies.

The following joint-stock companies have been duly registered: The following joint-stock companies have been duly registered.—
THE SPANISH LAND CULTIVATION COMPANY (Limited).—Capital 300,000°, in 10°, shares. The acquisition of a Spanish company, entitled La Compania Iberica de Reigos. The subscribers (who take one share each) are—D. Harries, 24, Coleman-street; W. Spain, I, Gresham Buildings, E.C.; E. W. Wingrowe, South End House, Twickenham; H. J. Stalley, Crescent-street, Thornhill; E. Pollock, University-street; S. C. Hayward, Catheart Hill, Holloway; L. A. Bond, Buelah Villa, Walthamstow,
SANDY GATE MILL COMPANY (Limited).—Capital 20,000°, in 5%.

SANDY GATE MILL COMPANY (Limited).—Capital 20,0000., in 5t. ares. To acquire a cotton mill at Sandy Gate, Burnley, Lancashire. The subribers (who reside at Burnley, and take one share each) are—F. F. Artendale, B. oore, N. Walton, G. Frankland, E. Foden, B. J. Rawlinson, and Thomas Dean. COATES NEW MILL COMPANY (Limited).—Capital 5000/., in 5t. ares. To carry on the Coates New Mill, in the West Riding of Yorkshire.

PUDSEY MUTUAL FIRE INSURANCE COMPANY (Limited).—Capital

OLONG, in 5t. shares. The subscribers to this company (Limited).—Capital 30,001, in 5t. shares. The subscribers to this company, who reside at Pudsey, are —J. Banks, 100; R. Spencer, 100; S. Crowther, 100; G. Spencer, 50; N. Wilson, 20; W. Lowder, 50; S. Stables, 20; W. Stables, 40; and J. Jessop, 30.
RIVERS PROTECTION AND MANURE COMPANY (Limited).—Capital 152,000t., in 10t. shares. For the purchase of improvements in the utilisation of sewage. The subscribers (who take one share each) are—F. D. Lesle, Quebec Lodge, Blackheath; H. O. Hind, Albion-road, Stoke Newington; F. H. Guernsey, Elderfield-road, Clapham; G. W. M. Ellard, Grove Villa, East Ham; S. E. Riddell, Bramah-road, Stokewell; G. Roe, Warcham; A. Obsevith, 1A, Portland-road, Notting Hill.

MANURESTER COUNTY, PROGRESSIA.

otting Hill.

MANCHESTER COUNTY PROPERTY COMPANY (Limited).—Capital

MANCHESTER COUNTY PROPERTY COMPANY (Limited).—Capital 50,000%, in 10. shares. The subscribers to this company (who are all of Manhester, and take ten shares each) are—J. Dixon, Alma-terrace; G. Bradburn, Iulme; R. Irwin, Cheetham Hill: J. Longson, Deansgate; M. Osden, Browntreet; and R. Speneer, Whalley Range.

BAYSWATER GENERAL DRAPERY AND MOURNING WAREHOUSE FOMPANY (Limited).—Capital 25,000%, in 54. shares. To take over a drapery busices in Westbourne Grove. The subscribers are—A. Bourne, Chalk Farm-road, 90; A. Butler, Westbourne Park, I; R. Rowlands, Artesian-road, Bywaster, 100; V. D. Butler, Westbourne Park, I; R. Rowlands, Artesian-road, Bywaster, 100; D. A. Lang, Carter-lane, 20; C. Colling, Hampstead-road, 5.

NEWINGTON WATER COMPANY (Limited).—Capital 70,000%, in 10/hares. For the supplying of water to Newington, in the East Riding of Yorkshire. he subscribers are—D. P. Garbutt, Newington, 5000; W. Williams, Hull, 10; J. Cooper, Hull, 10; C. Whensit, Hull, 10; D. P. Thos. Burshaw, Hull, 10; W. P. arbutt, Hull, 10; C. J. Todd, Hull, 10.

NORMAN PATENT SEWING MACHINE COMPANY (Limited).—Catital 25,000%, in 56. shares. To manufacture and sell sewing machines. The sub-

NORMAN I ALEA I SECTION OF THE STATE AND ALEAST AND ALEAST ALEAST SECTION OF THE SUb-cribers are—S. Brooks, King Henry's-road, N.W., 50; T. H. P. Hartley, 2, Park Tillas West, N.W., 50; C. Brown, Carlton-road, Maida Vale, 50; R. James, Southall, 0; R. Hill, Coleman-street, 50; J. H. Green, Anerley, 30; S. W. Smith, Maida

ale, 15.

MARINE SALVAGE COMPANY (Limited).—Capital 25,000l., in 10l. nares. To carry on the business of marine salvors. The subscribers are—J. A. feathcote, Upton Bexley, 100; W. Stobart, 12, Paragon, Blackheath, 100; B. S. de lantzou, United Service Club, 60; D. J. Kennelly, 3, King's Bench Walk, Temple, empler, 14, St. James's-square, 12.

ALLIANCE SYNDICATE (Limited).—Capital 50,000l., in 10l. shares. o carry on financial operations. The subscribers are—J. Tanner, 8, East India venue, 10; J. Smith, 2, Queen's Buildings, 15; E. A. S. Mignon, 2, Queen's Buildings, E.C.; A. S. Mignon, 2, Queen's Buildings, E.C.; d. S. Mignon, 2, Queen's Buildings, 5; E. A. S. Mignon, 2, Queen's Buildings, E.C.; d. P. Ivey, Peiry Hill, Catford, 10; S. F. Griffin, 0, George-street, 10; B. J. C. Hilden, St. Peter's Park, W. 5.

NEW RHOSYDD SLATE QUARRY COMPANY (Limited),—Capital of Feathcast.

NEW RHOSYDD SLATE QUARRY COMPANY (Limited),—Capital 80,000., in 50. shares. To purchase a slate and slab quarry in the parish of Festiniog. The first subscribers are—W. Casson, Sandbach, 22; J. Roberts, Portmadoc, 22; D. Griffin, Fronfair, Harlech, 22; R. Roberts, Festiniog, 22; G. H. Owen, Tremadoc, 22; H. Wilabraham, Manchester, 44; and W. Davis, Festiniog, 44. CLIFTON WATER SUPPLY COMPANY (Limited).—Capital 6000/., in shares of 2l, 10s. each. To supply water to the parish of Hartshead-cum-Clifton, in the West Riding of York.

REGISTERED LAND CORPORATION (Limited),—Capital 500,000/l, in 10l. shares. To undertake the registration of titles to landed estates under the provisions of the Land Registration Act, and to carry on business as a land company. The subscribers (who take one share each) are—W. R. Cole, Spring Grove, W.; J. A. Mason, Gloucester-street, Warwick-square; F. J. Tingle, Talford-road, Camberwell; G. Reid, Elgin-road, Addiscombe; P. B. Lee, 87, Warwick-street, Belgravia; F. G. Whitcham, Fenwick-road, Peckham: J. Seamen, Southampton. GEORGE LAND COMPANY (Limited),—Capital 60,000/l, in 10l. shares. To acquire from the Liverpool Real Property Company (Limited) the George Estate, in Dale-street, Liverpool. The subscribers are—J. Dean, Egremont, 10; R. R. Minton, Bebington, 150; D. Radeliffe, Lime-street, Liverpool, 150; J. Ramsay, Rusholme, Manchester, 150; A. Willioret, Liverpool, 10; H. N. Abbinta, Liverpool, 150; W. Aitken, Greenock, 10.

LIVERPOOL AND AMAZON ROYAL MAIL STEAMSHIP COMPANY (Limited),—Capital 100,000/l, in 10l. shares. To acquire reale him to run a line the Government of Bezil to Commander Amorim, to enable him to run a line t

Liverpool, 150; W. Aitken, Greenock, 10.

Liverpool and Amazon Royal Mail Steamship Company (Limited).—Capital 109,000l., in 10l. shares. To acquire a concession granted by the Government of Brazil to Commander Amorim, to enable him to run a line of steamers to the Province of Amozanas. The subscribers are—A. Hoffman, Para and London, 10; L. Rosenberg, Richmond, 5; W. A. Nelson, New Barnet: J. W. Clark, Rendlesham-road, Clapton, 1; W. A. C. Browne, 24, Leadenhall-street, 1; H. Laurence, Southgate-road; A. Cross, Whitehall, 1.

LEMON HART AND SON (Limited).—Capital 150,000l., in 5l. shares. To take over the business of Messrs. L. Hart and Son, contractors to the Royal Navy, &c. The subscribers (who take one share each) are—E. N. M. Kindersley, Crown Chemical Works, Stratford; H. M. Carter, I. Great Tower-street; W. A. Richards, St. Mary Axe; Joseph Hodson, York; G. Browne, Willesden; J. Deplidge, 58, Pentonville-road; and H. H. Thomson, 9, Tokenhouse-yard.

E. FISHER AND COMPANY (Limited).—Capital 20,000l., in 5l. shares. To take over an aerated water manufactory business at Camberwell; Albred St. Mary Axe; Joseph Buildings; W. J. Tallentire, 20, Change-alley. H. E. Drew, 54, Newington Causeway; E. Fisher, Park-road, Camberwell; Alfred Williams, 1, Fenchurch-street: and A. Russell, Grange Villa, Thornton Heath.

LANCASHIRE AND YORKSHIRE HOTEL COMPANY (Limited).—Capital 20,000l., in 5l. shares. To acquire an hotel at Blackpool. The subscribers reside at Preston and Blackpool.

#### THE TERRIBLE MINE, OF COLORADO.

The Terrible Mine is owned by an English company—The Colorado Terrible Lode Mining Company (Limited), and is under the general charge and supervision of the resident manager, Mr. George Teal, Terrible Lode Mining Company (Limited), and is under the general charge and supervision of the resident manager, Mr. George Teal, one of the best business men in Colorado. Let us take things in order. Procuring candles at the blacksmiths' shop, where 200 or 300 drills are sharpened daily, we enter the cross-cut tunnel driven through the solid granite a distance of 350 feet. Here the railway track diverges to right and left on the fourth (or tunnel) level of the mine some 340 ft. below surface. We turn to the right, and find ourselves in a largechamber that has been excavated in the mountain. Here is a smoothly-working steam-engine used for hoisting and pumping, which is kept running day and night with only two cords of wood per week. The hoisting apparatus is admirable, and works like clockwork. Large buckets are now used, but in a short time cages will be substituted that will be capable of doing more work. The hoisting shaft is securely boxed in, and pitches, with the vein at an angle of about 80°, or nearly vertical. Opening a trap-door we descend on a firm ladder past the fifth level to the sixth level, 120 feet from the engine-room. This level we explore from end to end. The mining is cleanly done; the timbering looks as if put in to last for ages; at short intervals we pass a chute where the ore is dumped into cars from upper workings in the stopes; here and there we pass under reserves of ore, and are able to trace the vein or veins of rich mineral. This entire mine is systematically worked under the superintendence of Harry Lampshire, an English miner of many years' experience in Cornwall, California, and Colorado. The Terrible Mine is all the diploma he requires. Everywhere we found the mine dry; returning to the shaft we saw why this was the case. Just below the sixth level is a cistern which catches all the draininge from the workings above, and this water is forced into the outer world by a pump in this level, operated by steam brought in a pipe from the boller above. Down 60 ft. below us we could s track to the waste dump; rook with little seams of mineral, or lumps adhering to its face, is piled up to await concentration; the small bits of rock and mineral, and the mud and dirt also go to the concentration works. From the dressing room, where many busy hands are engaged in sorting the ore into several classes, it is conveyed by wire tramway to the shipping rooms or concentration dump 720 ft. below.

The ore is graded into three classes; first, second, and third. The first averages about 550 ozs. per ton, and is all shipped to England; the second averages 180 cz., and finds a market in Georgetown; the third averages much less, and is saved for concentration.

comentration.

From the Terrible Mine workings a dump pile of mineralised rock and dirt has accumulated, that is now estimated at over 4000 tons, and it is increasing at the rate of 200 tons per month. This stuff is worth about an average of \$20 per ton, and gregate for the pile of over \$80,000; and at the present yield of the mine, and as there was no market for such stuff, Mr. Teal determined to put up concentration works, by means of which he could save all the mineral at a slight cost, and getting rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good marketally rid of the waste by concentrating 10 tons into one, secure a good market for such stuff, Mr. Teal determined to put up concentration works. Last year he rigged up several Cornish jigs, worked by hand, and besides saving considerable money, demonstrated the practicability of saving virtually all the mineral from the mine. He, therefore, set about the erection of concentration works. Let us go down there where the red streamer, bearing in silvery letters the word "Terrible," presented by Miss Teal to her father, floats from the masthead in the breeze, and under the escort of Mr. Edward Eddy, the foreman, take a look through the concentration works. A turbine wheel, furnishing 30-horse power, which is communicated by means of a wire-rope, drives all the mineral from the mine. A turbine wheel, furnishing 30-horse power, which is communicated by means of a wire-rope, drives all the foreman, take a look through the concentration works. A turbine wheel, furnishing 30-horse power, which is com properties on the Terrible Mine workings a dump pile of mineralised rock and dirt has

and jets of water spurting from a tube running down the centre serve to thoroughly wash every particle of material passing through. All the rook and ore too large to pass through is conveyed to a sorting table, where a row of boys, with bits of curved iron, are kept busily employed in sorting the pile into four grades—first class, averaging about 590 ozs.; second class, 180 ozs.; third-class, saved for crushing; fourth-class, waste rock. The material that passes through the revolving screen takes a different direction, being conveyed to a series of three Cornish jigs, where every valuable particle is saved, and waste rock thrown away that will not pass through a sleve of six holes to the square inch. Messrs. George and James Teal and Edward Eddy have made a wonderful improvement in the operation of these jigs, and have applied for a patent upon it. Heretofore, the deposit collecting below the lower screen necessitated frequent stoppage in order to remove the deposit by hand, which was a work requiring considerable manual labour, and involving much loss of time. The patentees of the new process obviate all this by having the jigs set at different elevations, while a current of water passing through the series of chambers carries the deposit forward, and keeps them clean.

At present about 30 tons of dump are concentrated every ten hours. About 29 tons of this are disposed of on the pleking table and in the Cornish jigs above the six-hole sieve. But that other ton must be followed up and caught, or a great portion of the profits would be lost, for it is largely composed of the most valuable portions of the mineral—powered galena, ruby, and brittle silver. Let us see the arrangements made for arresting it in its flight. When it leaves the series of jigs, it discharging through the goes to a series of enriching jigs, and the remainder to two Romber automatic jigs. After dropping into the Kember jigs, it is resolved into three classes—the waste constantly along jof at the top, the light zincy ores working up and dis

#### VAZEERI RUPI MINES, KULU.

An attempt has lately been made by the Punjab Government to An attempt has laterly been made by the rungab dovernment to annex the above mines, instigated by some "old Indians," who cannot reconcile themselves to the idea of an outsider having obtained them. The proprietor, however, has memorialised the Governor-General, who has been informed that the late Lord Mayo instructed Sir T. D. Forsyth to write to the proprietor, in 1869,\* emphatically impressing on him that his Excellency felt a deep interest in the result of the mines, and that he would grant him leases on any mineral ladge he might discover for a popular revealty. Probably mineral lodes he might discover for a nominal royalty. Probably the fact that at the antimony mines alone 25 tons of rich ore were taken out by seven natives in one month has excited the cupidity taken out by seven natives in one month has excited the cupidity of the Punjab Government, one of whom gave the excuse "the property is too extensive for an outsider to possess." The sett being 670 square miles in perpetuity. It is not likely Lord Northbrook will be dictated to by the Lieutenant-Governor of the Punjab, or any of his myrmidons, to dispossess a man of his property without law or reason, after five years' peaceable possession, although such things have been done before in India.

Dr. Stolitzka was to have reported on these mines after his expected return from the Yarkund Mission, had he not died. Sir D. Forsyth states that he had a great empirion of their productiveness.

Forsyth states that he had a great opinion of their productiveness

Forsyth states that he had a great opinion of their productiveness.

\* To J. Calvert, Esq., Kulu.

Dear Sir,—In reply to your letter, I think the greatest help I can give you is to repeat what Lord Mayo authorised me to write to you in 1869. Perhaps you have my letter by you, and I can only quote from memory, but his words were to the effect that if you could discover silver or other valuable mines he would give you every encouragement, by taking only the usual royalty. He emphatically expressed his desire to assist all such enterprises as yours. You can make use of this. Dr. Stolitzka, had he lived, intended examining carefully the Kulu Mines, regarding which he seemed to have formed a good opinion.

(Signed) T. Douglas Forsyth, K.C.S.I., &c.

INTERESTING DISCOVERY.—Another interesting discovery in con-INTERESTING DISCOVERY.—Another interesting discovery in connection with Indian iron manufacture has been made by Mr. T. W. Hughes, of the Geological Survey. So early as 1869 he had drawn attention to the existence of manganese in the Kamptee series; but the proportion of this to the other substances found in combination was too small to render the discovery more than interesting. Last season, however, Mr. Hughes satisfied himself that manganese ore of good quality existed in large quantities in the red clays of the Kamptee series, Wurdha Valley. The ore, on analysis, contained 44°d per cent. of oxide of manganess and 40°l of sand and clay. As manganese is at present of great service in the process of manufacturing iron into steel, the importance of the discovery will at once become apparent. But of course the question of the utilisation of these ores must remain in abeyance until it has been decided what steps are to be taken for working the rich iron ores of Lohara. Manganese ore is reported to exist, says Mr. Hughes, in some portions of Cashmere; in Vizianagram, Kuraool, Mysore, and the Neilgherries, in the Madras Presidency, and in some parts of Burmah.

New Consols Tin and assense parts of Burman.

New Consols Tin and Arsenic Works,—Although the new reduction processes in course of introduction here have not yet been productive of commercial results, it appears from the statutory meeting of the company, held last week, that Capt. Pryor and others concerned are still sanguine, and it is much to be hoped that they will not be disappointed. The Chairman (Mr. H. L. Phillips) stated that the object of the process was to utilise all the valuable metals contained in their ores. He explained that they had a valuable property for tin, and in the production of it they obtained much arsenic in the form of arsenious acid, which was collected and sold. They had, in addition, copper, silver, sulphur, and iron. They had obtained it forms of precipitate of silver aud copper from 1300 tons of ore, but it was not sufficiently pure to be marketable to advantage. They are now about to re-model the temporary works by which they have manufactured this precipitate, and expect in three months to be able to treat 60 tons of mineral daily. This would represent about 250 tons of precipitate per annum. The arsenio and sulphur in the ore, as any chemist would have anticipated, prevented the successful application of the chlorination process, they, therefore, intend trying to roast these off first. For that purpose they are now erecting eight reverberatory ovens, connected with suitable arsenic flues. They also find it necessary to crush the ore finer, and are, therefore, erecting a powerful steam-engine and two very powerful crushers. The Chairman of the meeting could not not see why the treatment of their stuff should not leave them a clear not profit of at least 30s, per to upon every too of stuff treated, and as Dr. T. L. Phipson, who has had some chemical experience, was present, as a director permitted the estimate to pass unchallenged, it may be assumed that he entertains similar views. Indeed, it seems that Dr. Phipson has tried several specimens, and found 11, 12, and even as high NEW CONSOLS TIN AND ARSENIC WORKS,-Although the new reties for raising and treating it to a profit. Capt. R. Pryor and Son, in concluding an elaborate report, state that they have only to repeat, fearless of contradiction, that they have an inexhaustible supply of minerals—thi, copper, silver, and arsenic—and that by cutting up the lode in a proper manner these can be very cheaply broken and brought to surface. By the process they are about adopting on a large scale they think to utilise the whole of the valuable minerals contained in their stuff, and that their profits will simply be regulated by the extent of their appliances. With the many valuable lodes they have, and the enormous amount of minerals, they feel sure that their property will be second to none in the kingdom Dr. Oxland has stated that by not utilising their sulphur they are throwing away into the clouds about 20,000, per annum. The manufacture of sulphuric acid would involve an extra outlay, but Mr. Phillips wished it particularly to go forth to the world that the whole of these new processes were not of necessity sources of great additional expense. When dressing only their tin they had to burn it to remove the arsenic, or the smellers would not buy it. They had only to roast it again, and treat it with common salt, &c., to extract two other metals they had hitherto allowed to run away. Captain Pryor expressed his opinion that, with 96 heads of stamps, they could make theirs a profitable concern for tin and arsenic in the old style of working alone.

by means of a tube with ports, which when moved round gives a longer or shorter stroke to the piston, and at the same time prevents the piston from striking the ends of the cylinder. This invention not only relates to the engines herein described being applied to a pump, but is applicable also to a blowing-engine to give reciprocating motion without the use of gearing, cranks, or levers.

#### AUSTRALIAN PROSPECTS.

We have referred on more than one occasion to the great progress indicated by recent Australian statistics and general advices in the demand for British iron in the Antipodean group of colonies. In the eight months ending Aug. 31 this year we sent the Australian settlements no less than 55,252 tons of railway iron, while the corresponding exports in the same direction were 13,304 tons in the corresponding period of 1873, and 14,577 tons in the corresponding period of 1873, and 14,577 tons in the corresponding period of 1873, and 14,577 tons in the corresponding period of 1873 and 14,577 tons in the corresponding period of 1873 and 14,577 tons in the corresponding period of 1872. The advices which have reached London this week from the Australias are generally favourable, and would appear to indicate a probability of a good further demand for our rails and railway iron. From Tasmania, for instance, we learn that a large scheme of public works is officially promised, embracing districts in the island which do not at present possess the advantages of railway communication. The revenue of this colony is in a satisfactory condition, hence the readiness of the colonial authorities to undertake extensions. The finances of New Zealand are in a fairly satisfactory state, the revenue being 30,000l. in excess during last financial year, as compared with the preceding twelve months; and the general credit of this progressive colony is now so sound and good that the Colonial Government has succeeded in raising 500,000l. oimmigration and public works, at an interest of 4l. 12s. 6d. per cent. per annum. The revenue of Victoria, previously in a flourishing condition, is still increasing. The progress realised in the public income of this great colony during the past financial year has been as follows i—Excise, 116,000l.; public works, 95,600l.; post office and telegraphs, 186,000l.; fees, 93,000l.; customs, 176,000l.; and miscellaneous, 247,000l. Never was Victorias of inancially strong as it is at present, and never was the V We have referred on more than one occasion to the great progres it is at present, and never was the Victorian Government more disposed to proceed with the prosecution of useful public works. The revenue of South Australia, again, for the quarter ending June 30, 1874, was 233,863%, while the expenditure was 231,244%. In 1873-4 the revenue of South Australia attained a total of 974,628%, while the expenditure was 943,807%. The corresponding figures for 1872-3 were:—Receipts, 832,764%; expenditure, 767,620%. Even Western Australia has now a budget; the revenue of that extremely sluggish settlement for 1873 was 140,686%, and the expenditure for the same period was 119,651%. The respectable surplus is to be devoted to immigration, public works, telegraph extension, and harbour improvements.

We have gone into these somewhat elaborate financial details for the purpose of showing the growing financial strength of all the members of the Australian group of colonies. This is an important element in the general question of Australian development, as almost members of the Australian group of colonies. This is an important element in the general question of Australian development, as almost all Australian public works are carried out by the various Australian Governments. But the figures which we have given are also valuable as illustrating the general condition of the Australian population. Unless the Australians were advancing in wealth and general prosperity the revenues of their Governments would not be expanding as they undoubtedly are expanding. Well, if the Australians are thus doing well, we may rest tolerably assured that they will take larger and larger quantities of our railway materiel for the next few years, seeing that they will certainly apply themselves to the construction of more railways, while their local metallurgical industry is not likely to attain any very great importance for some time to come. In the case of New Zealand, it is announced without any reserve that further capital will be raised by the Government for railway extension purposes, and such a policy is certainly justifiable, since the general resources of New Zealand are being developed at a great rate. For instance, the receipts of New Zealand in 1869-70 were 209,000.; in 1873-4 the corresponding receipts were 1,038,000. The revenue of the General Government of New Zealand in the current financial year is estimated at 1,704,000. while the expenditure for the same period is set down at 1,630,000. The great work of Australian development is, after all, only now commencing. It has taken 105 years, or thereabouts, to accumulate an Australian white population thus laboriously accumulated at the Antipodes will now attract other colonists to it at a much more rapid rate. Letters sent to England from Australian friends are read with eager interest by many of their relatives left behind; and, further, the Australian colonies now expressly devote part of their revenues and of their loans to immigration purposes. Thus population accumulates wealth, and wealth accumulates population. Thus the ther supplies of English iron on Australian account.

## COAL AND IRON IN AMERICA.

COAL AND IRON IN AMERICA.

Mr. Hugh McCulloch, who rendered extraordinary service to the United States through the vigorous and manly policy which he pursued as Secretary of the Treasury towards the close, and after the close, of the great civil war, has published some interesting observations on the course of the American coal and iron trades, especially with reference to the ideas which find such favour among the Americans with regard to protection for native industry. Mr. McCulloch observes that iron steam-ships can even now be built about as cheaply in the United States as they can be turned out in Europe. With a reduction of duties upon the materials which are used in their construction they could be built cheaper, so that the great yards for building iron ships, not only for the United States, but for other nations, would, Mr. McCulloch thinks, be found at no distant day on the banks of the Delaware, instead of on the banks of the Clyde. The great State of Pennsylvania, an empire in itself, clings to protection as if her prosperity depended upon it; but Mr. McCulloch thinks that she will never know how great her resources and her power are, or what her people are capable of accomplishing until she ceases to look to the Government to protect her supposed interests, and learns to rely upon herself. There is no more reason why she should ask the Federal Government to protect her iron manufacturers against foreign competitors than against There is no more than the plea that American labour must be protected against what is called the "pauper labour" of Europe is played out. Pauper labour in the factories and furnaces of Europe is in reality a mere figment of the American imagination, as English ironmasters and cotton manufacturers know to their cost. Skilled labour is in as great demand, and is as costly, estimating the difference in the cost of living, on the European as on the American side of the Atand cotton manufacturers know to their cost. Skilled labour is in as great demand, and is as costly, estimating the difference in the cost of living, on the European as on the American side of the Atlantic. If this were not the case, Mr. McCulloch considers, the difference would be more than equalised by the superiority of American side of the cost of rican machinery, and the superior cleverness of Americans in the use of it. The Americans have iron literally cropping out of the earth—mountains of it, in fact—of the best quality, and coal for smelting and manufacturing it is generally found also in its immediate neighbourhood. In Great Britain, on the other hand, iron ore is only found some hundreds, if not thousands, of feet below the surface, and large quantities of the ore have to be transported, at great expense, to the coal districts to be manufactured into iron. When it has been thus manufactured, it has next to be forwarded, When it has been thus manufactured, it has next to be forwarded, at still greater expense, to the markets of the United States. Mr. McCulloch asks—it appears not unreasonably—whether the iron-makers of Tennessee, Missouri, and Pennsylvania require to be protected against English competition? Should coal again, he asks, be increased in price by a tariff which practically prohibits the introduction of it into the Dominion of Canada,—coal, which is the producer of the great motive power which has wrought such wonders throughout the world, being found in inexhaustible quantities in the United States.

The great difficulty which, as it appears to us, always cripples the reat dimenty which, as it appears to us, anys express the perations of the Americans is their reckless disregard of the laws of credit. This disregard has caused a suspicion of almost every American enterprise among the capitalists of European countries. The ordinary Englishman shrugs his shoulders in most cases when an

American venture is proposed to him. It is useless to argue that there are some honest Americans, and that the bad should not be there are some honest Americans, and that the bad should not be confounded with the good. Good and bad alike share the same fate, and the nation suffers in consequence want of confidence, want of credit, and want of capital. Even Americans cannot trust Americans, and the Southern and Western States are not developed as they might be. Instead of matters growing better, they seem to be becoming worse; the democracy of the United States, while willing to enjoy the benefits of capital, are unwilling to concede to it its legitimate remuneration. Even Americans seem likely to exclaim not so much "protection for native industry," as "protection for native capital."

#### SALES OF COPPER ORES.

COPPER ORES SOLD AT THE CORNWALL TICKETINGS FOR THE QUARTER ENDING SEPTEMBER, 1874:-

Mines.	Tons.		Amo		
South Caradon	1220			1	0
Devon Great Consols	1837	********	7,829		6
West Tolgus	881	*******	5,463	.7	0
Glasgow Caradon			3,608		0
Marke Valley		*******	3,470		0
West Seton	605	*******	3,049	8	6
Brookwood	571	*******	2,686		6
East Caradon	435		2,338		6
Crenver and Abraham	546		2,121	16	0
Gunnislake (Clitters)	326	***** **	2,089		0
Hingston Down	750	********	1,986		0
Carn Brea	247	*******	1,520		6
East Pool	457	*******	1,422		6
South Crofty	400		1,226	1	0
New Pembroke	118		1,017	17	0
Wheal Russell	309		939	7	0
West Maria and Fortescue	180		846	3	0
Wheal Crebor	145		666	2	6
Phœnix	83		592	14	0
West Basset	84		582	8	0
Wheal Basset	92		516	17	6
East Basset	93		497	17	0
Freffry's Regulus	32	*****	496	16	0
Prince of Wales	101		466	9	6
Bedford United	121		420	3	6
South Carn Brea	77	********	345	17	0
Cathedral	54	********	340	1	0
St. Aubyn United	64	*******	286	8	0
Williams's Ore	55		229	7	6
East Grenville	68	********	219	6	0
South Dolcoath	31		153	9	0
West Roskear	48	*******	151	4	0
Belstone	28	********	146	0	0
Emmens United	41	********	139	8	0
Duchy Great Consols	54	*********	125		0
Champion's Ore	30		123	0	0
Tremenheere	14		114	9	Ö
Gawton			109	6	0
Craddock Moor	19	******	100	4	6
St. Ives Consols	10		95	7	6
Crelake	16	*******	73	4	0
South Roskear	28	*******	71	15	0
Rosewarne United	20	*******		10	0
Wheal Busy	20		52	16	0
Wheat Dusy		******	45		0
New Rosewarne	8	********			0
Wheal Rose United	11		44	0	
West Caradon	10	*******	35		0
North Crofty	7		29	4	6
Wheal Buller	6		18	8	0
VIII 1 (1 111 -	7		18	0	8
Wheal Grenville South Tolcarne	5		17		6

Total1	2,220		£57,488	8	0
Sweetland, Tuttle, and Co	958	********	3,018	17	3
Newton, Keates, and Co	221				
Charles Lambert	778	*******	3,228	5	10
Copper Miners' Company	650		3,570		
Mason and Elkington	2039	********	7,271	10	10
Williams, Foster, and Co	2397	*******	11,752	10	9
Nevill, Druce, and Co	1597		6,570		
Grenfell and Sons	1153	*******	7,252		

... 2427 ...... £12,473 0 10

#### COPPER ORES SOLD AT THE SWANSEA TICKETINGS FOR THE QUARTER ENDING SEPTEMBER, 1874:-BRITISH.

Berehaven	1915		£10,498	3	0
Knockmahon	953		5,361	9	6
Bampfylde	33	********			0
Cloneurry	5	********	176		6
Total	2905		£16,222	2	0
COLONIAL.					
Cape	2760	********	£68,434	14	6
Union	1628	******	9,135	5	0
West Canada	497		7,137	18	0
Burrawang	132	********	1,688	14	-6
Canadian	147	********	507	3	0
Concordia	13	*******	459	1	0
Australian	25	*******	388	9	0
Total	5202	•	£87,751	5	0
FOREIGN.					
Del Soto	73		£ 1,442		6
Bobral	216	********	1,193	18	6
Portuguese	75	********			0
St. Josephsberg		*******	459	12	0
Total	389		£ 3,931	16	6
RECAPITULATIO	N.				
British	2905	********	£16,222	2	0
Colonial	5202	*******	87,751	5	0
Foreign	389		3,931	16	€
Sundries	482	*******	5,033	8	6

# COMPANIES BY WHOM THE O Copper Miners' Company Grenfell and Sons. Nevill, Druce, and Co. Vivian and Sons. Williams, Foster, and Co. British and Foreign Copper Company Mason and Elkington Charles Lambert

Total .. 8978 £112,938 12 0

# MINING NOTABILIA.

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

West Esgair Lle.—In the western mine all works are proceed-West Esgair Lie.—In the western mine all works are proceeding steadily, 50 tons of ore have been dressed and sent to the shipping port, and another parcel is now being got ready for market. The different ends and pitches are producing the usual quantity of ore.—Eastern Mine: The cross-cut at the 34 is now approaching the morth, or ore-bearing part of the lode. As the last foot or two have shown a considerable improvement, no doubt, the ore will be cut before another week has passed. This will give 10 fathoms of backs of rich ground available for immediate stoping, and this part of the company's property will then become like the western mine, profitable to the shareholders. All ithe machinery in both mines is in excellent condition and working well. Prospects never looked so bright.

so bright.

WEST CHIVERTON MINE.—The adjourned meeting is convened for Friday next, the 23rd inst., at noon, at the London Tavern, Bishopsgate-street. Shareholders unable to attend would act wisely in sending their proxies to the committee appointed at the meeting held on the 25th ult., rather than entrust them to any individual shareholder. The committee personally represent between them more than one-tenth of the mine.

them more than one-tenth of the mine.

KINGSTON VALLEY.—In the neighbourhood of Callington and in the parish of Stoke Climsland this silver-lead mine has recently sprung up, which it is generally thought will prove a great success. Although only as yet seen to the depth of about 30 fathoms, the lode is already yielding good quantities of lead and blende ores. The country is considered of a very congenial character, and it is reported that they have a very fine flockan in connection with the lode with cross-courses, and other indications, which by practical men are considered most fav ourable for the production of mineral. The lode, which is of extraordinary size, has been opened upon for a great length at surface, and it is hoped that the discoveries made upon it will lead to the resuscitation of mining in the Callington district.

district.

WHEAL LUDCOTT (St. Ives).—It is currently reported with confidence that this mine will be resuscitated shortly by a new company. The concern was abandoned about eight years since, and it will, no doubt, be in the recollection of many of our readers that remarkable deposits of silver were discovered at the last working, which gave rise to very considerable speculation with capitalists, and shares at intervals reached startingly high prices, considering the depth of the mine. Much interest is being manifested in the neighbourhood respecting its re-

suscitation, and a strong desire with parties to invest again. There is no do now that Wheal Mary Ann, which is situate in an adjoining parish, is abandone and the present company are unable to get a sett of the adjoining ground, on count of the owner of the soil being adverse to mining operations on his proper emanating to a certain extent from the advanced age of that gentleman, that is cott will be much looked after if worked for lead. Undoubtedly it will against the neighbourhood into a state of animation, and it is hoped prove a boon to it.

ALLTAMI COLLIERY.—Good progress is being made liery, and the main coal in Section B will be reached, it is thought.

#### JOHNSON'S NEW UNIVERSAL CYCLOPÆDIA,

JOHNSON'S NEW UNIVERSAL CYCLOPÆDIA.

The varied character of the knowledge which has to be brought together in an encyclopædia renders it almost impossible for one man, however diligently he may have studied, to undertake with reasonable prospect of success the task of producing a work sugiciently reliable to secure it a good reputation, and thus commandacirculation which shall repay the cost of publication; yet the engmous outlay involved when anything beyond careful compilation is attempted has prevented, in almost every case, the use of original articles in encyclopædias issued at prices sufficiently moderate to place them within the reach of private individuals to whom, before all others, me work is an invaluable companion. The student and the man of science, enjoying the advantage of extensive library facilities, can dispense with an encycloped with but little inconvenience to himself; but in the ordinary household there are to himself; but in the ordinary household there are to hook of greater permanent interest. The first volume of "Johnson's New Universal Cyclopædia" a Scientific and Fopular Treasury of Useful Knowledge (New York: A. J. Johnson and Son, Great Jones-street), has now been issued, the lift pages, reaching from "A." to "Ezra," so that there need be no doubt at twelther it will be completed in the three volumes as promised. The work is being got up regardless of expense, nearly every article being original, and specially written for the book, and the names of none but men of high scientific and literary position in Europe and America appearing in the list of contributors.

It will be unnecessary to offer further evidence of the reliance to be placed upon the information given in the Cyclopædia that is supplied in the mention of the facts that President Barnard, of Columbia College, New York, and Prof. Chandier, and Work of the College of New Jersey, are the editors-in-chief, and that they have the co-operation of 21 associate editors, including such men as Profs. Chandier, and Work of the co

rature for the last quarter of a century can boast of. The annies, paper, and general workmanship of the book could not be surpassed, and there need be no hesitation in predicting that both in the New World and in this country the cyclopædia will be extensively patronised and consulted, and universally approved of.

PEAT.—Messrs. A. BARFF and J. KIDD, of Lawrence Pountage lane, City, has patented some improvements in apparatus for drying, charing granulating, compressing, and burning peat, and in apparatus connected theresh The chief novelty of this invention consists—I. In drying, charring, or distilling granulated peat in revolving cylinders or chambers by forcing the products of combustion into, through, or around said cylinders or chambers by a fan blow or by the escaping force of a jet of superheated steam.—2. In apparatus for presing or moulding disintegrated peat by forcing it through iron-pipes or cylinders—3. In the method and apparatus for burning the fuel by injecting it into cylindical furnaces by the escaping force of a jet of air or steam.

ENCLUSE AND FURNES.

—3. In the method and apparatus for burning the fuel by injecting it into cylindical furnaces by the escaping force of a jet of air or steam.

ENGINES AND PUMPS,—Mr. G. A. TEULON, of Haverstock-terms, Hampstead, Middlesex, has patented some improvements in cylinder engines and pumps, the object of which is to increase the effective force of the motive power employed. The improvements consist in the employment of a projecting that for the two reversed portions of screws on the surface of the drum, acted upon it wo friction rollers or lateral projections from each piston or other rod actaing or actuated by it, also in an arrangement of additional cylinders. This dmm or cylinder, denominated the "crank drum," is formed as follows:—Central atially on and revolving with the main shaft (which is parallel with the piston or other rods connected thereto) is a drum or cylinder, the length of which slightly exceed that of the stroke of the piston or other rods, and the diameter of which is formed not less than the half of such length nor more than equal to it. This drum is formed upon opposite parts of its surface two raised or projecting portions of screttereds (a right and a left hand of half a turn each), which form one continues threads (a right and a left hand of half a turn each), which form one continues they are rounded into curves, to obviate the abrupt transition from cedings althread to the other. These curves are formed with that of the outer angle snalle than that of the inner, and the radius of the outer curve should be one-third the radius of the various parts is that the admind the outer curve should be one-third the radius of the inner, and the radius of the screw-thread be, as in the case of small powers, restanguls, the both friction rollers should correspond with that of the outer curve. If the transmiss section of the screw-thread be, as in the case of small powers, restanguls, the both friction rollers should be optimized in the case of small powers, restanguls, the base outward) and bevelling the t

ARTIFICIAL FUEL.—Mr. W. RADEKE, of Gracechurch-street, Cit, has patented some improvements in the manufacture of peat, in the methols of drying and charring it, and in structures and appliances to be employed for sal purposes, being partly also applicable to the manufacture of artificial fuel. Pass which has been effectually macerated and pulped by any suitable pulping or gissing mechanism, and may further have been freed of parts of its water by purping mechanism, and may further have been freed of parts of its water by purping machinery, is dried in a narrow and comparatively long shed with het far pipes at the bottom, under which are perforated cold air pipes, which, by apecular double funnel joint are connected with a vacuum, which is inclosed by the tw funnel joints, and through which from outside a blower forces cold air at awy high velocity. Inside the shed the ascending or outflowing air is exhaustd threat the ventilating flues, which may also be provided with what are known as "aby the same method. Peat is subsequently charred in retorts lying inclined an elevated plan which forms the flue of the furnace. Two such furnous are erected, and the elevated plan on its highest point forms the centre between the where they where they run into one common smoke flue. The small of the day where they where they run into one common smoke flue. The small of the day is compounded with pulped peat, line fairs, his minous or resinous substance, or the volatile grease obtained from charring. The component of the charter of the property of the prope

SOCIETY OF ENGINEERS.—At the meeting, on Monday, a discoon will take place on Mr. P. F. Nursey's paper on "Mechanical Puddling," will sou will take place on Mr. P. F. Nursey's paper on "Mechanical Pudding," was son will take place on Mr. P. F. Nursey's paper on "Mechanical Pudding," was read at the last meeting. Should time permit, a paper will be read on "Mechanical Working of Marine Worms, and the Remedies applied in the Harbourd San Belsco, California," by Mr. John Blackbourn, C.E."

PERU.—The contract for the construction of the Lima and Fiss Peru.—The contract for the construction of the Lima and Fiss Palaiway, Peru, 145 miles long, tapping the rich and productive valleys and as plantations between Surco, Chorrilles, Lurin, Mala. Coaylla, Canete, Chinchai and Chincha Maja, and connecting the towns of Lima and Pisco with the founding shipping ports of Callao and Pisco, on the Peruvian coast, has been tast Mr. Robert Walker, contractor and engineer, of Westminster Chamber, Visco Mr. Robert Walker, contractor and engineer, of Westminster Chamber, Visco the land, and guaranteeing 1,040,000/. towards the work, which will be preceded in the contractor of the contractor o

SALT IN CANADA.—The salt beds discovered on the Canada ores of Lake Huron several years since are now turning out salt of superior quie Lake Huron several years since are now turning out salt of superior uch quantities that the Western markets are being largely supplied duct. These beds are described as inexhaustble. At the depth of the Gooderich Company have sunk their shaft, the purest rock salts ulso obtained from this source of full strength, and in any quantity.

Brine is also obtained from this source of full strength, and in any quantity.

HYDRIUM.—This is the new name proposed for the metal of whydrogen gas is considered to be the vapour. There are several reasons for safe ing this view; one is that hydrogen behaves in chemical compounds like a melil, the current of the compounds while recently alloys have been made of hydrogen with metals. Graham making recently alloys have been made of hydrogen with metals. Graham making the control of the alloy and the amount of hydrogen that it contained that gravity of the alloy and the amount of hydrogen that it contained the gravity of the latter in this alloyed state of hydrium was 0.63. Recently have a supported that the safe of the contained that the gravity of the latter in this alloyed state of hydrium was 0.63. Recently have the specific gravity of hydrium 0.63. This number is very near that of his which is the lightest of all metals, its specific gravity being 0.59.—Manufacture of the specific gravity being 0.50.—Manufacture of the

SIGNALLING IN MINES.—Mr. Kent, of Sebastopol, has for Signalling in Mines.—Mr. Kent, of Sebastopol, in to the mining department a model of a new system for signalling mining shafts. On one side of the shaft there is a long red down and a hammer provided for each level. A similar red, supplied number of hammers, is furnished on the other side. The one line is cating with the top, and the other for communicating with the men different levels. Provision is made for each level to have independent on with the surface, and for the braceman to know the level for being communicated with the moment the signal on top sounds. To is of the simplest description, and probably the more meritorious of —Ballarat Courier.

#### FOREIGN MINES.

St. John Del Rey Mining Company (Limited).—Advices recired Sept. 30, 1874, via Bordeaux, dated Morro Velho, Aug. 29:—
Mining Works.—These operations, since last advice, have been continued regularly, and with few interruptions.
Gold Produce to Date.—The gold extracted during the second division of Jagust, a period of 11 days, is as follows:—

Oits.

Oits.

PRODUCE FOR AUGUST.—The gold extracted during the month of August has mounted in all to 25,947 6 oits. It has been derived as follows:—

From general mineral at stamps. 24,090 5 from 3535 = 6.817

Re-treatment 1,848 1 ,, = .599

25,682.5, at 7s. 9d. per oit. ..... £9951 19 4½ Cost. less sums received in reduction of the same ....... 5092 5 6

ored it surface:—
ores daily Holes Depth of Average depth Wagons of
average, blasted, holes, of holes, mineral hauled,
11457 2858 103°644 36°26 in ... 3804
is shown a smaller duty than was performed in July by at least 748 wagons,
has arisen partly from the less advantageous state of the excavation for quarry
he fluctuating attendance of native borers, and chiefly from the diminished

supply.

DUCTION DEPARTMENT.—The reduction of mineral and the extraction of from the sand have been steadily and successfully prosecuted during the hof August. Larger duty has been performed than might have been exd, remembering the great diminution which has taken place in the available

pose.
The following telegrams have been received:

The following telegrams have been received:

Sept. 21: Produce 12 days of August (third division), 11,500 cits.; yield, 7'8 cits. pr ten; produce per diem, 982 cits.

Produce for the month of August, 25,800 cits.; pidd, 7'3 cits. per ton; produce per diem, 837 cits.

Sept. 24: Produce 11 days of September (first division), 9750 cits.; yield 8'3 cits. produce per diem, 886 cits.; profit for the month of August 4800/. Water with the day of the diem, 837 cits.

Oct. 6: Produce for 11 days of September (second division), 8855 cits.; yield, fidit. per ton; produce per diem, 805 cits.

ow. 5: Produce for 11 days of September (second division), 8855 oits.; yield, 7 iois, per ton; produce per dlem, 805 oits.

Don PEDRO.—Letter from the mine captains, dated Sept, 10: The what been derived principally from the No. 6 and No. 8 shoots. A small amount will also be noticed to the strake water falling off, we could not overcome the last sand boil encountered, but we fixed the bob in Alice's level, which has enabled us to again reach the biton, and if no further hindrance be met with, the 40 fm. cross-cut will be commend in a few days. At Matto de Tambor we have found some good-looking isotings, and on the 4th inst. we took four samples, three of which proved to be uniform; we shall as early as possible place a force here to develope this very minising section. No change has taken place in the stopes throughout.

Report for August.—Produce and Cost: Produce, 6556 oits. (equal 756 ozs. troy), as. 6d, per oit, 27864. 6s.; cost, 26722, 12s. 7d.; profit, 1131, 13s. 5d.

This Division of September: Produce weighed 1541 oits. Mine captains left ated Sept. 17: Operations generally have been continued satisfactorily. The third own nearly 13 fathoms, on the dip, below the 30 fathom cross-cut, and that we shall call the 40 fathom cross-cut is projected 10 fms. 4 ft. below the 30; we strake depth is required, however, for a gutter, and the shaft being so flat no seat we shall such a fath of his transfer of the purpose.

Telegram from Rio dated Oct. 14: Produce for the month (September) 7100 oits. Rossa GRANDE.—Report for Angust: Produce, 4422 oits, at 8s. 3d., 181, 19., 7d.; cost, 5283, 3s.; loss, 1457, 12s. 5d. The daily average of force has seen 48. The mineral treated from the third formations is a little lower in yield has that of last month; this may be attributed to the fact of our having stoped produce with the first of the purpose.

The following from the best of the lode is considered, can be called little other has ampling. The value of the produce so obtained is 907. 6s. 4d., and the proting of the lod

ERERHARDT AND AUROBA.—Telegram from Capt. Drake: Work, stember—Fitteen days, 570 tons crushed; average assay, \$56; bullion produced, Sweetland Drake.—Telegram from the superintendent: We steel up after a run of 62 days. The gross returns are \$32,000; the running peases are \$16,000; the profit is \$16,000. I send you a remittance of \$10,000.

CHMOND.—Telegram: Week's run, \$44,000.

MCHMOND.—Telegram: Week's run, \$44,000.

JAVALL—The directors have advices from their manager under the spit. 6. Extract from report:—20 stamps have worked 20½ days, crushing set to a function of quartz, yielding 400½ ozs. of gold, being an average of 7 dwts. 14½ grs. to mean the set of the set o nent or originate which we have to receive \$2000 from Mr. Bateman, and about \$1400 more fore; of that amount I fear \$350 will prove to be a bad debt. Salaries and some fore; of that amount I fear \$350 will prove to be a bad debt. Salaries and some fore; of the term of the salaries and the salaries are still running on, and over these matters I have no considerable to the salaries are still running on, and over these matters I have no considerable to the salaries are salaries and the salaries are salaries and the salaries are salaries and the salaries and the salaries are salaries. We are now in daily danger of attachments, but this arrangemants considered what course to take. It is just the same all the way through, and the salaries are last. And the company to company the salaries are salaries and the salaries are salaries and the salaries and the salaries are salaries and the salaries are salaries and salaries and the salaries are salaries and although daily expected may be three months longer; during the past twelve salaries are salaries as a salaries and salaries are salaries and salaries are salaries and salaries and salaries are salaries and salaries and salaries are salaries and sa

am sinking winze below this level, which shows a little fine ore. The winze below the 400 ft. level also shows a small quantity of milling ore.

SIERRA BUTTES.—Result of the working at the Sierra Buttes and Plumas Eureka Mines for September:—Sierra Buttes Mine: Receipts, \$27,181; cost of mining and milling, \$12,280.—Plumas Eureka Mine: Receipts, \$27,181; cost of mining and milling, \$12,280.—Las explained at the general meeting, on ct. 8, the clean-up at the Sierra Buttes Mine for September is less than usual, owing to the stoppage of the 40-stamp mill half the month for repairs to the waterwheel, and also to ore of a lower quality having been crushed. The agents telegraph that the prospects are better for October.]

COLORADO TERRIBLE LODE.—Oct. 16: The agents advices to date Sept. 21, enclose railway receipts for the 49th, 50th, and 51st, shipment of ore Cash received by the agent from the Stewart Reduction Company for second-class ore sold \$6090. On Oct. 6 356 bags of ore arrived in Liverpool, per City of Brussels. There are now five shipments (including the 47th) awalting sale in Liverpool, and four other shipments are en route. The 52nd, shipment was to leave on September 23.

INDEPENDENCE GOLD QUARTZ.—The monthly cable gives the fol-

ptember 23.

INDEPENDENCE GOLD QUARTZ.—The monthly cable gives the fol-

speember 23.

INDEPENDENCE GOLD QUARTZ.—The monthly cable gives the following as the result of the September working:—Tons of quartz crushed, 1000; gold produced, \$8000; mining, milling, &c., \$4000: leaving a profit of \$4000, or \$800f., of which 400f. was spent during the month on capital account and winter supplies.

MALABAR.—G. B. O'Reilly, Sept. 9: Mine: Since last writing to the board there is no material change in the ground, but as we are now rather more open, and not advancing so rapidly over the pipe clay, we have had a better chance to wash, and can now do so occasionally, even when the peons are working in the ground.—Ditch: After repairing and strengthening one or two points alluded to in former minutes, the ditch has given us no further trouble, and has furnished a constant and very large supply of water. We have never had less than 1500 in. to work with.—Clean-up: On or before the 18th inst. we intend to clean-up the undercurrent and 750 ft. of sluice (all our sluice). In future we shall probably clean-up every two months, as with our large sluice and under-current, and heavy blocks, the task of doing so is serious, and stops work for four or five days. We are sanguine of obtaining a fair result, in spite of our low banks and the vast quantity of unproductive staff we have had to run off. The board shall be advised of result by the mail of the 20th if possible, and the bar of gold (including last clean-up) will be forwarded to London through Panderford and Jewry.

RICA.—W. S. Welton, Aug. 25: New Ditch: A line has now been run from the head of the present ditch to the San Jose Quebrada: the distance measured six miles; the ground over which the line was run consists partly of theep rock, and there are so many slides that one-third only of the distance can be considered fair ground; one-half would require flumes and support for the sides for the ditch, and much rock would have to be blasted. The water contained in several small streams found amounted to 48 inches, and in the San Jose Quebrada is con

NewFoundland.—J. Nancarrow, Sept. 30: Having just come up

that the board may note that a supply equal at least to twice the amount of water contained in the Medina river may be obtained if the shareholders resolve to supply the necessary funds.

NEWFOUNDLAND.—J. Nancarrow, Sept. 30: Having just come up from underground, I beg to send you my report on the above mine. Cooper's shaft is sunk below the 10 fm. level 9 fms. 2 ft. 6 in.; the lode in the bottom of the shaft is wider than I have before seen it, and will produce fully 1½ ton of lead ore per fathom, and is being sunk, by six men, at \$120 per fathom. You will see we have 3 ft. 6 in. more to sink to reach the 30, when drivages east and west will be commenced as soon as possible, which I fully think will open out good and profitable ground. The 10 fm. level is being driven east of Cooper's shaft, by six men, at \$55 per fathom, in a lode 4 ft. wide, which looks very promising, though at present not producing much lead to value, but since my last it has yielded at times from 2 to 2½ tons of lead per fathom.

The 20, east of McConochie, is being driven by four men, at \$55 per fm., in a lode 4 ft. wide, which has greatly improved in appearance in the last few days; and, though it is unproductive at present, I look for an improvement here shortly. We are sinking and stoping below the 10, east of McCoy shaft, by six men, on a lode worth from 3 to 4 tons of lead per fathom, but the ground is rather hard and spare for progress. Should this continue as at present it will open out a rich piece of stoping ground when we reach the 20. There is no change worthy of remark in the deep adit end, east of Dector's shaft; the lode is about 4 ft. wide, of a very promising appearance, and producing good stones of lead ceacinally.

Capt. Bradley with myself have just agreed to cut down and sink Keley's as a good permanent shaft for practical working and further development of the mine, it being in a good position, having several advantages beyond the other shafts. Having now dressed the accumulated surfi, we shall in a few days be able

are nearly completed, having been fitted with new brasses and eccentric straps, which we have east here.

CAPE COPPER.—Returns for August: Ookiep, 765 tons of 32 per cent.; Spectakel, 62 tons of 27 per cent. Railway traffic for six weeks ending Sept. 5, 448 tons up and 960 tons down.—Bills of lading received: 220 tons of cre per Nyanza and African steamers, 210 tons per Syrla, 207 tons per Danube, and 300 tons (part cargo) per Coronella.—Arrivals at Swansea; The Tacna and Glipin.—Arrivals at Port Nolloth: The Ocean King, Hondeklip, and Antonio Vinent, to oad together about 1650 tons of ore.—Sales by public ticketing; 398 tons of ore no 3ept. 22, at an average of 15s. 9d per unit, realising approximately 8280d, and 108 tons of ore on Oct, 6, at an average of 16s. 1½d, per unit., realising approximately 10,560.—Put forward for sale by public ticketing; 500 tons of ore on the United National Control of the Cappella Capp

LUSITANIAN.—Oct. 6: Palhal: The lode in Taylor's engine-shaft and in the stope above the 170 is now being taken down, and the shaftmen have began to drive the 180. In No. 96 winze, below the 70, east of River shaft, the lode continues in two branches, neither of which has any value. In No. 97 winze, below the 88, on Mill lode, the lode is 6 in. wide, and has given small stones of ore; about a week ago we cut a stream of water here, which was more than the men could keep under with the tackle; it is coming from the branch lode, we shall probably try it again to-morrow.—Levels on Basto's Lode: In the 180, east of Taylor's, the lode is 10 ft. wide, composed of quartz, mundie, and spots of ore; and in the 180 west, of the same width, composed of quartz and spots of ore. The lode in the 170 west is worth ½ ton of ore per fathom. The lode in the 150 east is 4ft. wide, composed of quartz. East of the River shaft. in the 120, the lode is 1½ ft. wide; composed of quartz. East of the River shaft. in the 120, the lode is 1½ ft. wide; and in the 110 east is 4ft. wide, composed of country and flookan. The lode in the 90 east yields ½ ton per fathom, of copper and cobalt; and in the 70 east ½ ton of dirto. The lode is 5 ft. wide, composed of country and flookan. The lode in the 90 east yields ½ ton per fathom, of copper and cobalt; and in the 70 east ½ ton of dirto. The lode is 5 ft. wide in the 28 east, of no value. The slide lode north-east of Taylor's, at the 180, is 1 ft. wide, of quartz and flookan, letting out water; this driving is now suspended. The ground is rather harder in the adit cross cut, south of the branch, west of Perez shaft. The stopes throughout the mine continue to yield fairly. At Carvalhal the cross cut at the 60, south of incline shaft, is rather harder and dryor. We have driven through some small branches of spar, but there is none in the end at present.

LINARES.—Oct. 7: Pozo Ancho: In the 100, east of Warne's engine-shaft, the lode is very open, and yields 1 ton of lead ore per fathom. In the same LUSITANIAN.—Oct. 6: Palhal: The lode in Taylor's engine-shaft

stance of the control of the control

east of Judd's shaft, in advance of the 45 fm. level end, the lode is worth 11/4 ton

ALAMILLOS.—Oct. 7: In the 30, west of San Frederico shaft, the lode is looking rather better than it has done, now worth ½ ton per fathorm. The lode in the 50, west of this shaft, is large and strong, yielding stones of cre. The 50 cross-cut, north of La Magdalena, continues in hard ground. The lode in the 85, east of Taylor's engine-shaft, is large and vughy, producing ½ ton of lead ore per fathorm. The 85, west of this shaft, also yields ½ ton per fathorm. In the 50, east of San Victor shaft, the lode is small and ground hard. In the 50, east of San Carlos shaft, there is a good stone of ore in the bottom of the end. The lode in the 50, east of Judd's, has failed very much of late, and yields ½ ton per fathorm. In the 60, east of Judd's, has failed very much of late, and yields ½ ton per fathorm. In the 60, east of air shaft. In the 50, east of Crosby's, the lode continues unproductive. The lode in the 20, west of Swaffield's shaft, is very much disordered. In the 30, east of this shaft, the lode is small and compact, yielding ½ ton per fathorm. The same level west is opening out good tribute ground; the lode has improved to 1½ ton per fathorm. ALAMILLOS.—Oct. 7: In the 30, west of San Frederico shaft, the

in the 60, east of Judd's, the tode is simil and poor. There is no improvement in the 40 open to the 420, west of Swaffled's shaft, is very much disordered. In the 30, east of this shaft, the lode is small and compact, yielding ½ to per fathom. The same level west is opening out good tribute ground; the lode has improved to In Sam level west is opening out good tribute ground; the lode has improved to In San Adriano's shaft, isnking below the 75, the men are working regularly. San Victor's engine-shaft, below the 60, is off the lode. Good progress is now being made in Judd's engine-shaft, below the 60, is off the lode. Good progress is now being made in Judd's engine-shaft, below the 60, is off the lode. Good progress is now being made in Judd's engine-shaft, below the 63, the lode is large and productive, yielding 2 tons per fathom. In Julian's winze, below the 30, the lode of the same as usual. The machinery throughout the mine is in good working order. We estimate the rainings for October (fix weeks) at 250 tons.

FORTUNA.—Oct. 6: Canadia Incosa: In the 110 cross-cut, north of Judd's shaft, there is no change since last report. Nothing has yet been met with in the 80 cross-cut, south of Henry's. In the 50, west of San Pedro, the lode is small and poor. In the 60, east of San Pedro, the lode is small and poor. In the 60, east of this shaft, yields 1 ton per fathom. In the 80, west of Kan Pedro; the lode is small and poor. In the 60, east of this shaft, yields 1 ton per fathom. In the 80, west of Kan Pedro; the lode is intill the shaft, is not quite so large as it has been, now worth 34 ton per fathom. The 40, east of this shaft, is not quite so large as it has been, now worth 34 ton per fathom. The 80, east of San Garlos shaft is in a compact lode, yielding 2 tons per fathom. The 90, east of San Garlos shaft is in a compact lode, yielding 2 tons per fathom. The 100, east of Cox shaft, has promising appearance, yielding 2 tons per fathom. The good these south the 50 good progress is being made.

Los Salides A

## ECHOES FROM THE MINING MARKET.

Foreign mine shares have absorbed the principal attention of the market during the past week. Consequent upon one or two important meetings having been held, the course of events has been watched ant meetings having been held, the course of events has been watched with much interest by speculators, and a good many shares have changed hands. In the other markets we note an improvement in tin shares, and the further strengthening of copper stock. An advance of 2th has been announced in the ore standard of the former, and the intimation has been hailed with joy by all those interested in the welfare of our Cornish mines. Whether the advance is likely to be of a permanent character, and to lead to further advances in the immediate future it would be a difficult matter to say with any certainty, exhaustive statisties to the contrary notwithstanding. The most that can be said is that it is a move in the right direction, and encouraging at such a time as the present.

said is that it is a move in the right direction, and encouraging at such a time as the present.

Colliery shares still continue to hold their own, but a feeling is growing that the dividends to be declared within the next two months will not be so good as those paid during the first ix months of the year. We think this will certainly be the case with one or two companies, and could name one in particular, now commands will be found to be up to the mark. During the past few months there have been no important disturbing influences to militate against profits, wages have been pretty fair, iron and other materials receding in value, and the heavy part of the year for orders is coming on. Therefore, investors have not much to be afraid of, so long as they take care that the property they invest in is in a sound condition, and its shares easily dealt in. Transactions are reported in Richards and Co. (a new colliery undertaking) at ½ prem.

Shareholders in South Carn Brea have been somewhat disappointed at finding that during the past three months a loss on the working of over 500?. has been sustained. Hearing that they were in possession of a lode in the bottom of the 150 worth 100, per fathom, they were naturally looking for a better state of affairs. Progress is being made with the sinking of the shaft, and it is expected that in about nine months the 160 fm. level will be reached. The unproductive nature of the ground has been greatly against rapid sinking, but as they are now in tin ground it is expected the speed will be considerably accelerated. Shares are now dull at 1% to 15%.

teting of the Emma shareholders, on Wednesday, was rather a disorderly the proceedings are likely to prove abortive.

JAMES H. CROFTS.

#### CAUTION TO BUYERS OF SHARES. TO THE EDITOR OF THE MINING JOURNAL.

Sig.—In your widely circulated Journal appears, week after week, advertisements offering for sale shares in various companies at absurdly low prices, which any respectable stockbroker, if applied to, would convince the misguided purchasers were not practicable. It is in the country where dupes are caught. Beeing the advertisement, they write to the address of the hypothetical seller, saying they will purchase them. A reply is sent by post, requesting a remittance for the whole supposed to be bought, as it is their custom to have cash for the "first transaction." The unwary countryman sends his cash, and, after due time of waiting, he writer, and on applying at the office (as per advertisement) the supposed seller is never to be found. Within a very short time I have had no less than seven victims apply to me as the representative of one of the companies which the poor victims supposed seller does not hold nor never had a share in the company. One victim applied to me yesterday, who had been duped out of 28% as far back as April, when he was foolish enough to part with his money. Letter after letter has been sent to the office (as by advertisement) demanding the shares, to which no reply is ever obtained. Personal application is then resorted to at the said office, but the individual is never to be seen. To obviate this entrapping the unsuspecting countryman, if he were to apply to a respectable stockbroker, he would be in safe hands, and obtain his shares at the market price of the day. I think the sooner this scheme is exposed the better, and by your kindly inserting this letter it will put the unsuspecious on their guard.—Oct. 16.

[For remainder of Original Correspondence see this day's Supplement.]

[For remainder of Original Correspondence see this day's Supplement.]

The following report was received too late for insertion in its proper place:

WEST MILWR.—W. Francis, Oct. 15: We have now passed fairly through the branch of the Old Meadow vein in the cross-cut south from West Meadow what: it is fully 2ft, wide, and of a highly miner-dised character, having lead ore and blende scattered throughout. I have but hitle doubt there is a fine course of ore in depth where fhe junction of this with the 'd-i vein will take place, and it promises well for the future of this property. The consequent proceeds in the same conception measures.

PEOPLE'S COAL AND COLLIERY COMPANY (Limited) .- A petition for winding up this company by the Court of Chancery has been presented to the Master of the Rells, by Messrs. Charles Marsden, of Sheffield, and Thomse Marsden, of Monk Bretton, near Barnsley. The petition will be heard on Nov. 7.

#### Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

ABERDAUNANT.—8. Toy, Oct. 14: In No. 1 adit, driving cast, there is no change to notice for the last week, still producing some saving work for dressing, and of a very kindly appearance. No. 4 stope over this level is worth 13/. per cubic fathom for lead. All surface work is being pressed on, and our machinery is in good working order.

change to notice for the last week, still producing some saving was let with and of a very kindly appearance. No. 4 stope over this level is worth 134, per cubic fathom for lead. All surface work is being pressed on, and our machinery is in good working order.

ASHETON.—M. H. Whitford, Oct. 14: The lode in the 50 is very large, from 5 to 6 ft. wide, and will yield from 12 to 15 cents of lead per fathom; we have 2 to 3 fms. more to drive to get under the course of lead in bottom of the 40; this being driven, we shall at once cut through the lode, and have no doubt but what course of ore will be met with. The lode in the winze below the 40 will yield from 4 to 5 tons of lead per fathom. The stope cast of No. 1 winze, in back of the 40, will yield 1½ ton of lead per fathom. The stope cast of No. 1 winze, in the back of the 40, will yield 2 tons of lead and blende per fathom. The lode in the 40 will yield 2 tons of lead and blende per fathom. The lode in the winze below the 30, west of Browne's, is poor at present. The lode in the winze below the 30, west of Browne's, is poor at present. The lode in the stope in back of the 8 will yield 1½ ton of lead per fathom.

BAMPFILDE.—S. Mitchell, H. T. Haley, Oct. 13: Everything is progressing satisfactorily at the copper mines. All the stopes at the 102 are equally good as last reported. All the other points of our operations are looking well, in fact, the mine never looked better. We have also resumed operations at the 112, fixing stills, &c., preparatory to stoping the ore. This being done, we shall proceed to drive the level as fast as possible to get under the ore ground gone down in the 102 m, level. There are good stones of ore in the rise at the 70 east, and the nature of the ground in the cross-cut south at the 40 is congenial for the deposit of ore in the lode before us, and it contains good stains of green carbonate of copper ore. Good progress is being made in the western adia ta No. 3 shaft. We are getting on as fast as possible with the dressing of the copper

will be taken down next week, and the size and value given. The stopes are loveling much the same as for some time past.

BELSTONE.—James Neill, Oct. 10: A Shaft: The shaft is now being sunk below the 71 fm. plat, by nine men, and will be forced on with all speed; the shaft at present is 5 fms. of t. 4 in. below the 71. The stope from rise in back of intermediate level cast, on small cross sources, has improved within the past week; the ground is very congenial for the production of copper ore, large nests of which are being met with. Machinery at surface and underground is all in good working order.

Oct. 14. The days for the stope for the production of copper ore, large nests of which are being met with.

der.
ct. 14: The stope from rise in back of intermediate level east is still looking ell; the raising of ore this week will exceed that of last. The sinking of snow going on without any interruption, and will be forced on as fast as

shaft is now going on without any interruption, and will be forced on as fast as possible.

BRONFLOYD.—J. Davis, Oct. 14: There is no material change here this week. The delay in getting the new jaw for the machine is vexing, but I hope it will be here soon. We are now getting some fine but small ribs of lead ore in the cross cut north of the 40 west, and the ground improves in character. I shall send a truck (8 tons) of ore over the wire-trainway on Saturday.

CAEGYNON.—T. Hodge, Oct. 13: In the 50 north cross-cut we are now into country rock; we have passed branches containing small ribs of ore for the last 9 or 10 it; this is, a think, the part of the love we were in search of, but the cross-cut will be continued another few feet. Good progress is being made in driving the 70 east, and from the appearance of the end to-day I think we are near the junction of the lodes.

CARGOLL—J. Grose, R. Tvzer, Oct. 13: Doctor's engine shaft is sunk 5 fms.

CAEGYNON.—T. Hodge, Oet. 13: In the 50 north cross-cut we are now more country rost; we have passed branches containing amail ribs of ore for the last 9 or 10 it.; this is, a think, the part of the loo's we were in search of, but the cross-cut will be continued another two feet. Good progress is being made in driving the part of the looks.

CARGOLL—J. Gross, R. Tyzzer, Oct. 13: Doctors segmine shaft is sunk 5 fms. below the adit level; the lode continues about 3 ft. wide, and is producing good dredge stones of lead, interspersed with rich copper ore, which we like to see associated with lead at a shallow level; but during the past week the killas has been stiffer than horetofore, consequently we have not made that progress in shifting working well, and we are effecting a saving in ecal, as the house is being closed up. COURT GRANGE.—Capt. E. Dunkin, Oct. 15: The 30 fm. level is now in fork: I have not examined it yet, but will report on it next week. The lode in the 16 maintains its value as reported on the 8th inst, but the men are making rather slow progress in stripping it down, owing to its being so full of fissures, in which the powder blows away requently. We have opened it 4 ft. wide, and the powder blows away requently. We have opened it 4 ft. wide, and in the sinkle looks well for the mine, as east of this is whole ground, and doubtless will prove equally as productive as the part that has been extensively worked. The lode in New Brogfman is more productive of blende than before, and the ground appears to be undergoing a tavourable change. Good progress is being made in the sinking of this shaft. Surface operations are advancing regularly and specificly: the rating the surface operations are advancing regularly and specificly: the rating shaft. I am well pleased with the work done in the past week.

ORENVER AND WHEAL A BRAHAM UNIFED—W. Thomas, J. Hammill, Oct. 14: Setting Report—Start's Engine-Shaft: This shaft is asspended for the present, and the men put to drive the 23c when the month, at 12c, per f

the lode is 3 ft. wide, and much easier to drive. The shale beds are dissappearing, and there are large patches of lead in the driving coming in, so that I expect soon to send you very good news. The 112 west is showing a rib of ore 2 in. wide and 4 ft. high; a great quantity of water is issuing, which is a first-rate indication. In the 66 west we are looking well. No other change, every other operation proceeding most satisfactority.

the 66 west we are looking well. No other change, every other operation proceeding most satisfactorily.

DUNSLEY WHEAL PHŒNIX.—W. Skewis, W. Richards, Oct. 9: You will, no doubt, be pleased to learn that we yesterday made a thorough inspection of the mine, and set bargains to whim shaft men. As regards the lode in the cross-cut at the 47 (whim-shaft), it is no larger than reported on last week—between 7 and 8 ft. thick, and we think there are no more branches belonging to this lode. We have driven about 7 feet in granite in cross-cut beyond main lode, with no more indications of lode; set at 6t, bargain to shaftmen, to case and divide shaft to bottom, and to fix penthouse to prepare for sinking; also to sink shaft 10 fms. at 20t, per fm., and if completed in five months from 17th of this month to receive 10th premium for some few fathoms driving was split in two by a horse, and somewhat disordered. The men have a steady task; they must work verysmart to do it in the time. In the deep acit level, driving west of cross-cut, on course of lode; the lode, which is now forming itself into a large body of stone, and I think after driving a few fathoms more west that we shall have a nice compact lode here. Some of the lode was taken down yesterday, and although we could not see tin in the stone we die see plenty of peach, capets, and mundle, which are sure indications of tin; but it is possible we may have to drive beyond the killus into the granite country before we meet with a very good lode, and the granite cannot now be a great many fathoms away. We hope we may soon meet with it.

DYLIFEE.—E. Evans, E. Rogers, Oct. 10: The 120 is driven north of Boundary shaft 19 fathoms 1 foot 9 inches, and is set to six men, to cut the lode, at 7t. 18s. per fathom, land if done within eight weeks from this time to be allowed 22, prem. At the 105 there is a stope working, by six men, at 4t. 5s. per fathom; the lode is 3 ft. wide, a mixture of copper, blende, and a little lead ore. At the 40, driving east, the lode is worth 8f, per ing most satisfactorily.

DUNSLEY WHEAL PHENIX.—W. Skewis, W. Richards, Oct. 9: You will,

Monday last, when the men resumed the drivage, which they are pushing for with with all speed. The lode is full 4 ft. wide, and looking exceedingly promising for the production of lead. Our machinery and pitwork are in good condition. EAST WHEAL BASSET.—R. Pryor and Son, E. Adams, Oct. 14: The lode in the 50 cast and west of winze continues just the same as for some time past, and the men are making good progress in collaring and securing the south shaft. No time will be lost in communicating this shaft to the 30, when we shall be at once able to set several additional pares of men to work at this level, also to put out a cross-cut south to cut the three other lodes seen in the adit level, which are all in whole ground. Friday next being pay and setting day a full report shall follow. EAST WHEAL GRENVILLE.—E. Hosking. W. Bennetts, Oct. 10: Setting Report: To drive the 130, west of engine-shaft, by six men, at 4t. per fathom; the lode is 2½ ft. wide, and worth 7t. per fathom. To drive the 120 cross cut, north of engine-lode, by two men and one boy, at 8t. per fathom; the ground is very favourable for driving. To stope above the 120, west of engine-shaft, by four men, at 1t. 6s. per fathom; the lode is worth 5t. per fathom. To stope above the 110, west of engine-shaft, by two men, at 3t. per fathom in the lode is worth 5t. Per fathom. To this end has a very kindly appearance, and produces tin and copper ores worth 6t. per fathom as a very kindly appearance, and produces tin and copper ores worth 6t. per fathom. To drive the 95, east of cross-course, by four men, at 8t. per fathom; the lode is 4the rate of 50th, per to no for black tin.

FLORENCE CONSULS (Tin).—P. Skewis, Oct. 14: We continue to make progress. Early last week we had cleared out and repaired the Chiverton shaft and footway sufficiently to make a thorough examination; we were surprised to find that the former workers must have been driven out in haste through being overpowered by the water, which we have completely drained off. We found at and footw

whole lode; we shall, therefore, continue the driving further through it, and at the same time drive on both ends, as they will pay well. But we are also driving east on the Standard lode at the 69, which will also soon intersect it, where we expect it will be much larger and richer.

GAWTON COPPER.—George Rowe, George Rowe, jum., Oct. 10: During the past week our shaftmen have been busily engaged in outting the plat at the 117 fm. level, and preparing the necessary timber work below the 105, in order to bring down the whim-kibble to the present bottom. The lode in the stopes in the bottom of the 82 are improving, worth 12%, per fathom. The stopes in the bottom of the 82 are improving, worth 12%, per fathom. The lode in the stopes in the bottom of the 70 is worth 7%, per fathom. What's stope in the back of the 70 is worth 10%, per fathom.

GOGINAN AND LEVEL NEWYDD.—Oct. 12: The 100 east has been driven fms. 4ft. during the past month, lode varying from 4 ft. to 5 ft. wide, producing stones of lead and copper at times. This end is now about reaching under Bryn Plea shaft, and as soon as we can get a place to dial down from the shaft through the old workings to the west we shall commence to rise against it. Bryn Plea shaft has been sunk 2 fms. 1ft., on a lode 5 ft. wide, showing a little lead and copper ore; ground at present hard for exploring. The western shaft has been made and secured for 4 fms., and we have had some heavy ground to contend with latterly; however, we hope we shall be able to make more progress here very shortly. We have not been able as yet to put men to rise over the 110 against the western shaft, the water not being forked out of that level, but shall do so as soon as we possibly can. The tribute pitches are work from 12 to 15 ovts. of ore per fathom. Burface work is going on as usual, and we shall sample 20 tons of silverlead ore to-morrow, for sale on the 26th inst. Borlase's machine is in a forward state, and when the castings arrive we shall endeavour to get it to work as quickly as pos

as possible.
GORSEDD AND CELYN LEVEL.—Wm. Edwards, Oct. 14: I am pleased to GORREDD AND CELYN LEVEL.—Wm. Edwards, Oct. 14: I am pleased to be able to forward you news of a most satisfactory character. The ore continues in No. 2 sump, and is improving. At the quarry some good stuff is being taken out, which will enable us to proceed well on the dressing floor. In the driving to cut the Merllyn vein there has been a rush of water, which has carried the stuff in front of it. We think the vein is to be seen, and shall be able to report in my next. Altogether our prospects are most encouraging, and we shall have a good parcet of lead for sale day.

GREAT RETALLACK.—John Harris, Oct. 10: In clearing the 40 east we have this week met with ground on the north side of the lode. The part carried by the former workers is about 5 ft. wide, containing good spots of bleade, but I hope to say more about it in my next. It will take the men two or three days more to make the level secure before we commence to drive. I am glad to say I have obtained water for dressing purposes, and I hope in a few days to commence dressing blende regularly.

ing blende regularly.

GREAT SNAEFELL.—H. James, Oct, 12: The lode in the 25 stopes continues to be worth 10 ewts. of lead and 2½ tons blende per fathom. The ground in the 74 end is harder, and the lode yields a little more ore, and has an improving appearance for lead. The stopes in this level are producing some good ore, but the lode is large, and the lead does not form into a solid and continuous rib. The 35 end has charged very much for the testical solid and continuous rib. The 35

at S. 10s. per fathom. We have patter and the who were driving the focuses out, at Gard's shaft, to drive the 140, wast of Eichard's shaft, which is very near being under Willyam's shaft. There are employed this week on tutwork 164 me and boys; at surface, 36 men and boys; to startice, 36 men and boys; to startice, 35 men and boys; to

opening up two good stopes, worth 12l. per fathom each. We have pur clear the 12s, so as to set it on Saturday next to drive west. The lode is

opening up two good stopes, worth 122, per manon each. We have put me clear the 128, so as to set it on Saturday next to drive west. The lode in the west is worth 104, per fathom.

HINGSTON DOWN CONSOLS.—James Richards, Oct. 15: Bailey's Shaft, the 150 west the lode continues 4 ft. wide, composed of quartz, mundie, e peach, and a little copper ore. In the cross-cut south from the bottom of Cock winze the lode has been cut into 5 ft., the leading part of which is 2 th, worth 104, per fathom. The rise in the back of the 140 west is going up by the of the lode in order to make greater progress, and the ground is tolerably fin able for exploring. In the three stopes in the back of the 140 west is the lode intunes worth 254, per fathom. In the 120 west is worth 204, per fathom. In the life with 100 the stope in bottom of the 120 west is worth 204, per fathom. In the life in the stope in bottom of the 120 west is worth 204, per fathom. In the 180 west the lode is still looking very healthy, and is worth 204. per fathom (Brevers's) in the bottom of the 110 west has been resumed: the lode here in 164, per fathom. In the stope in the back of the 110 west the lode is worth 184, per fathom.

137, per fathom. In the stope in the back of the 110 west the lode is worth 18, p. fathom.

ILLOGAN.—Richard Pryor and Son, Oct. 14: We have again set the deep all cross-cut to drive south of the engine-shaft, to six men, at 67, per fathom; the lode here is 3 ft. wide, producing some good stones of copper one.

KINGSTON VALLEY.—G. F. Richards, Oct. 15: In the 13 west the drivents as again come upon the proper ore-bearing portion of the lode, and there is good improvement. About 4 ft. of the lode is being carried, which composed beautiful capel, quartz, peach, flookan, sulphur-mundic, rich copper prins, large proportion of carbonate of lead and argentiferous galean, and will produce the copper prins, and the state of the latter about 10 ewest, per fathom. The lode in the back of the same still continues to maintain its size and value, producing fully 1 ton of silvelse ore per fathom, besides several tons of blende ore. Throughout the lode present the strongest possible appearances, with every indication of continuace as is crease of value, especially in depth. The dressing operations are progressing expansions.

tisfactorily.

LADY CONSTANCE.—Oct. 15: Old Shaft: The ground in the 56 yard

crease of value, especially in depth. The dressing operations are progressing to east of value, especially in depth. The dressing operations are progressing to satisfactorily.

LADY CONSTANCE.—Oct. 15: Old Shaft: The ground in the 6 yard is cross-cut west has greatly improved, and the men are now making very gool process with the driving.—Katie's Shaft: Since my last report I have had as an analy a little way in the bottom of the 56 yard level west of cross-cut, and and to say that the ore was improving in depth, but owing to our not being able to say that the ore was improving in depth, but owing to our not being able on the men to drive the end west, which is rather poor at present, but expect it will im prove again shortly. We shall be able to hole this end to be shaft shortly, which will ventilate the whole of the workings.

LADY WELL.—A. Waters, Oct. 15: Caunter Lode: Engine-shaft below the going down with fair speed. Stope in back of the 16, north of winze, north of sin worth 2 tons lead ore per fathom. The 16, south of shaft, is in soft ground, in lode being charged with gossan, loose stones of lead, and pleece of rock, we kindly ground. In the adit south we have driven a cross-cut out of the old east 4½ fms., and discovered the lode to be standing in that side for many faths with the standard of the shaft, which is a good position to weith ore ground.—Main Lode: The 32 north is into a strong lode, 4ft. wide, carbon dilt through to the 16 shortly, when we shall be in a good position to weith ore ground.—Main Lode: The 32 north is into a strong lode, 4ft. wide, carbon dilteration of the shaft, and also the driving of the cross-cut towards the north lode, and meaning not massing are going on with chimney, boller-house, &c.

MELINDUR VALLEX.—J. Kitto, Oct. 12: There has been scarcely any duag in the mine since the date of last report, and, consequently, I have noble and mention. We are pushing on the driving of the value, consequently, I have noble and mentions of ore ready to sample in course of a few days

possible. WEST ROSEWARNE.-J. Curtis, Oct. 15: The 24 fm. level to

NEW WEST ROSEWARNE.—J. Curtis, Oct. 15: The 24 fm, level to drive of Leeds flat-rod shaft, by six men, at 12t, per fathom. Lode large, and yidd some good stones of tin, also producing more mundic than 1 ever saw before, if from the present appearances I think we shall have a change soon. In the 10 of Leeds flat rod shaft, the lode is 9 ft. wide, worth 10t. per fathom; driving two men and two boys, at 7t. per fathom. In the winze sinking below this a level, on the 10 end, the lode is large, all saving work for the stamps; pries sinking 5t, per fathom, by two men.

NORTH HENDRE.—J. Lean, Oct. 14: The ground in the north level continvery hard and unproductive. I have to day put the men to open in the rot the level about 4 yards behind the forebreast, where there is softer ground and ore, hoping it will turn out satisfactorily. The lode in the south level has ged improved, and the ground become more favourable for progress; the yield do is about 2½ tons per fathom, and looks exceedingly promising for a continuate In the new trial going out from the No. 2 cast level, a great improvement taken place, the end will produce at present 3½ tons of ore per fathom, a spice looking end. The stopes and all other points continue much the same as for sat time past.

taken place, the end will produce at present 35 tons or ore per tatton, clocking end. The stopes and all other points continue much the same as fine past.

NORTH LAXEY.—R. Rowe, Oct. 10: Yesterday was our pay and selin I beg to hand the following report:—The lode in the 121, driving north, is improving in size and quality, now yielding some blende and lead. The driving north, is still holding good; lode 2 ft. wide, worth 2 tons of lead and has every appearance of holding out productive. I am happy to say have an improvement in the 80, driving north; we appear to have rached of the run of disturbed black shaley ground, and just reached a firm cyrock, favourable to lead, and the lode has suddenly changed its character better, yielding rich stones of lead; this, I think, is a confirmation of on that the ore we are now driving through in the 110 is all new. As the 180 are now penetrating whole and new ground, towards and under the North Mountain, I, therefore, expect we have reached what may be considered mine northwards, and such as will warrant and require the pushing for the levels in that direction with the utmost speed, as well as preparing the shaley ground utterly unfavourable to lead, and without seeing any, and ne vidently reached the end of it, and got into productive ground altogeth At the 110 the thickness of this unfavourable run of ground was only 10 showing that in depth it is fast wearing out, and the lode, I hope and explicitly reached the end of it, and got into productive ground altogeth NORTH POOL.—W. C. Vivian, Oct. 14: The men are working well, as mater as a fast as possible. There is an incurrent most as a read altone, and the whole rock through which we are passing most encouraging character. The men are in good spirits about cutting course of ore.

course of ore.

NORTH TRELIEGH WOOD.—Oct. 15: There is no improvement in the shaft as yet; and as we are getting down upon the change of strata, we'se shall be prevented from sinking by the water until the adit is driven up.com the summer months. The lode in the deep adit, west end, is a very prevented proposed of blende and copper ore, with stones of thin in the food Greater depth is all that is required to secure a good mine eere.

NORTH TRESKERBY.—Richard Pryor and Son, Oct. 14: The ground is deep adit cross-cut, north of the new shaft, is without much change since is ported on. The tributers have raised to surface a good pile of copper ore from back of the deep adit level.

orted on. The tributers have raised to surface a good past of the deep adit level.

OLD BATHOLES—Arthur Waters, Oct. 15: In deepening the pit on the iscovered on the hill, to the south of the workings on Old Batholes vela, we some upon splendid leadstuff, which looks like the top of a bunch of ore: sown 3 fms., and the lode is already 13 in. wide, yielding solid lumps of qual to anything to be seen in the locality. The adit level in Old Batholes is driven south altogether 130 fms., and the pit now being sunk is over 100 fm.

down 3 frms., and the lode is already 18 in. wide, yielding solid impactual to anything to be seen in the locality. The add level in Old Batholegis driven south altogether 130 fms., and the pit now being sunk is ore 100 fm the south of the adit end. This is very important.

OLD BOTTLE HILL.—R. Unsworth, Oct. 14: Setting on Satuday: The east of Rowe's shaft, on Bucking house lode, to six men, stent the month, at per fathorn. The winze in bottom of the 36, east of Rowe's shaft, to two 190s, per fathorn. A pitch in the 20, east and west of Tree shaft, at the lode will increase in size shortly, as the letting out a large quantity of water. In the winze in bottom of the 36, east of Rowe's shaft, the lode is 1 ft. wide, producing saving work for operating out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. In the winze in bottom of the 36 the letting out a large quantity of water. Since we commenced open whe have cleared and secured the shaft and levels, and driven west in the 30 the level 5 ft. 3 in., where the lode is 15 in. wide; a good timp lode. In the level 5 ft. 3 in., where the lode is 15 in. wide; a good timp lode. In the level 5 ft. 3 in., where the lode is 15 in. wide; a good timp lode. In the 30 the level 5 ft. 3 in., where the lode is 15 in. wide; a good timp lode in the working cost, and leave a portion for the shareholders.

OLD TINCROFT CONSOLS.—J. Pope, Oct. 13: In the 30. West of producing good work for tin. In the 10, we shaft, the lode is 15 in. wide, producing good work for tin. In the 10, we sh

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eastware sink is 80UT west of the 71, In No. : shout %. per fathom; contract not out. No. 1 stope, in back of this level, is worth \$8. per fathom; contract not out. No. 2 ditto, by six men, to finish the stope, at \$8. lbs. per fathom; worth 14c. per fathom. No. 3 ditto, by six men, two months, at \$2. lbs. per fathom; worth 14c. per fathom. No. 4 by four men, one month, at \$4. per fathom; worth \$8c. per fathom. No. 4 by four men, one month, at \$4. per fathom; worth \$8c. per fathom, which per fathom the two latter stopes will, no doubt, impore as they go up. To cut a winze plat in this level, and sink \$6t. below, by four men, at \$1.0c. The 70 to drive south, by six men, two months, at 10c. per fm.; worth \$8c. per fm.—a very kindly lode indeed. A stope in back of this level, by six men—contract not out—worth 12c. per fathom. The 70 to drive north of shaft by four men, one month, at 12c. per fm.; worth about 10c. per fathom. To rise by four men, one month, at 12c. per fm.; worth about 10c. per fathom. To rise by four men, one month, at 12c. per fm.; worth one—contract not out; worth 12c. per fathom when No. 1 stope, in back of the level, by six men—contract not out; worth 7c. per fathom. No. 4, by five men, at 8c. 10s. per fm.; back of the level, by six men—contract not out; worth 7c. per fathom. No. 4, by five men, one month, at 6c. per fathom; worth 10c. per fathom. No. 4, by five men, one month, at 6c. per fathom; worth 10c. per fathom. No. 4, by four men—contract not out; worth 7c. per fathom. No. 4, by four men, one month, at 6c. per fathom. To stope down a piece of ground below the level preparatory to sinking a winze by six men, per bargain, \$6c.; the lode is worth 13c. per fathom. To slope down a piece of ground below the level preparatory to sinking a winze by six men, per bargain, \$6c.; the lode is worth 13c. per fathom. To slope down a piece of ground below the level preparatory to sinking a winze by six men, per bargain, \$6c.; the lode is worth 13c. per fathom. To slope fathom. To slope fathom. To slope fathom the winze under the 50c. bouth, by four

No. 100per or ready for sampling at the same time. The delivery of ochre to complete the recent orders is being pushed on as fast as the weather will permit. There is nothing else to report.

PEDN-AN DREA UNITED.—Wm. Tregay, Wm. Prideaux, J. Pope, Oct. 10: Samp: In the 160 cross-cut north we have intersected another branch, containing stones of tim. In the 150 west end the lode (Martin's) is worth 30%, per fathom. In the 160 west end the lode (Martin's) is worth 30%, per fathom. In the 160 west end the lode (Martin's) is worth 30%, per fathom. In the 160 west end the lode (Martin's) is worth 10%, per fathom.—Cardozo's: In the 120 west end the lode (morth) is worth 10%, per fathom. In the 80 west end the lode (north) is worth 10%, per fathom. In the 70 west end the lode (north) is worth 10%, per fathom. In the 60 west end the lode (north) is worth 10%, per fathom. In the 55 west end the lode (north) is worth 10%, per fathom. In the 55 west end the lode (north) is worth 10%, per fathom. In the 55 west end the lode (north) is worth 6%, per fathom. Therevena's: In the 47 east the branches (carbona) are worth 8%, per fam.—Critchley's: In sinking the shaft below the 30 we are making good progress. The ground in the 90 rise is favourable for driving, and good progress is being made. We have intersected another lode here during the west, which has a very promising appearance, and produces about 8%, worth of the per fathom. No other changes to report.

PENNERLEY.—W. T. Harris, J. Delbridge, Oct. 14: Engine-Shaft: The lode in the 130, driving west, is small, and ylelding no lead to value. The lode in the 130 driving west, is small, and ylelding no lead to value. The lode in the 130 driving west, is small, and ylelding no lead to value. The lode in the 130 driving west, which is an enabled us to commence stopping each end in the 100 west, on east and west lode, and as soon as the end is reached shall drive it forward for the purpose proving the social per fathom. We have commenced clearing and securing the 50 east, on eas

Whitford tin lode, in the south part of the mine, is made complete to the same-ver, and the siniting continued below.

PORT NIGEL.—Joel Manley, Oct. 12: The lode in the 44 east is worth 25 cwts. of lead or sep tathom. We broke some splendid stones of lead in stoping down the lode east and west of the \*haft at the 44 last week; the lode here presents a favourable appearance. We commenced to take down the lode in the 34 east to day, where it is worth from 30 to 35 cwts. of lead per fathom; this end is 10 fms. in advance of the 44. The winze under the 34 is down 2½ fms.; this is being sunk at the north wall for speed. The shaftmen are now engaged in dividing and easing the engine-shaft. All other work is being unged on with vigour. Dressing is going on as fast as the floors will admit.

PRINCE OF WALES.—J. Gifford, J. Pryor, Oct. 13: On Saturday the following bargains were set:—To cross-cut north in the 77 east by six men; stent 6 ft. or cut through the lode at 94. per fathom. The 65 east to drive by four men, stent 3 fathoms or the month, at 74. per fathom; lode 1½ ft. wide, at present poor. A pitch in back of the 65 east by four men for two months, at 10s. 64. in 14. A pitch in back of the 55, east and west of engine-shaft, by four men for two months, at 10s. in 14. A pitch in back of the 77 east by two men for two months, at 10s. in 14. A pitch in back of the 77 east so we set of engine-shaft, by two men for two months, at 12s. 4d. in 14. A pitch in back of the 65, east and back of the 77 east so we set of engine-shaft, by two men for two months, at 12s. 4d. in 14. A pitch in back of the 65, east of engine-shaft, by two men for two months, at 12s. 4d. in 14. PrixiCE OF WALES.—J. Gifford, Z. Pryor, Oct. 15: In consequence of heavy rains and a slight breakage in the pumping gear attached to the crusher-wheel we have not done much in the 77 east since our report on Tuesday; it is going on well now, and we hope to have the lode cut through by Tuesday rext, where we anticipate an improvement. In the 65 east the main

we hope will be in time for the general increases, anywhere in the sett before, and from the present appearance of the stratum it is embedded in we think it a good feature for the future. No change in the tribute department nor in the Silver lode.

PRINCE PATRICK.—J. Lloyd, Oct. 12: The south driving upon the great lode is maintaining its usual productiveness, and is quite as rich for ore as ever. The same remarks will also apply to the north-east stope, on the same lode, which is keeping orey as the ground is cut, and will return 3 tons of lead to the fathom of stope. We are making a side drift to ventilate the extreme end, and we find the great lode to be wider here than anticipated. Another course of ore may be looked for in this section overlying the original great course, as the ground is miseralised all through as far as yet seen. The new cross-cut, south from Campbell's shaft, to prove the new lode, is progressing well, and is in high estimation for good results; a few stones of lead have already been met with. The 120 driving ests having gone very hard has been suspended for awhile, as there are more important places to set the men at work just now. The 140 west is yielding its average amount of lead, worth 1½ ton per fathom. The 170 west hasimproved greatly in the last few feet, and looks most promising to open into a valuable course of ore. Another week or so of driving will give us a fair chance to value it. The 170, driving est, is without change to notice, but it is in a powerful vein, although the lead is short so far. Dressing is going on as usual, and the mine is in good working order. QUEEN'S.—E. Evans, Oct. 14: We are making good progress with the sinking of diadstone shaft below the 140 yards level; the lode is very wide, and yielding calamine, with lumps of lead. The 120 yards level, east of Gladstone shaft, on the task of the lode, is composed of a mixture of spar, clay, and calamine; the lode is wide, and spary all through. Millwr lode 80 yards level, east of Gladstone shaft, on the lask o

Seen Stars lode, and made a plan of the same, and an ot option which are very likely to turn out successful, one at the depth of about two joints, which are very likely to turn out successful, one at the depth of about two joints, which are very likely to turn out successful, one at the depth of about two joints of stoke's winze (which has improved from 2 tons to 4 tons per fathom), there is no class of some continues to go downwards excellently; same value as before. We are now about to drop down the lift, and shall prepare the wheelpts of the stoke's and tam happy to say the ore continues to go downwards excellently; same value as before. We are now about to drop down the lift, and shall prepare the wheelpts of the stoke of the stoke

eastward, and I think it forms with the grea-east and west lode about where our sibk is fixed.

80UTH CONDURROW.—J. Vivian and Son, H. Abraham, Oct. 14: In the 82, west of King's shaft, the lode is 6½ ft. wide, and worth about 65/, per fathorn. In the 11, west of King's shaft, the lode is 5½ ft. wide, and worth about 70/. per fm. 18 No. 3 wines, being sunk below the last-named level, the part of the lode being carried is 75 ft. wide, and worth about 30/. per fathorn. In the rise over the 71, about 10/ ft. greated in the fit of the lode being carried is 5 ft. wide, and worth about 10/, per fathorn. In the 61, east of King's shaft, the lode is 4 ft. wide, and worth about 10/, per fathorn. In the 30, east of Fraser's shaft, the lode is 1 ft. wide, and tinny throughout. In the 30, west of new shaft, the lode is 1½ ft.

wide, and worth about 51. per fathom. In the 30, east of new shaft, the lode is 1½ ft. wide, and worth about 71. per fathom. The other points do not require

wide, and worth about 5t, per fathom. In the 30, east or new shart, the loue is 1½ ft. wide, and worth about 7t. per fathom. The other points do not require notice at present.

SOUTH DARREN.—J. Boundy, W. H. Boundy, Oct. 10: Since the last report we have taken down the lode in the 90 west, and we are glad to inform you it has further improved; the lode in the present end is full 3ft. wide, worth for lead and copper ore 18t. per fathom, with every appearance of a further improvement as we advance. The ground at this part is rather hard for exploring. All the other points of operation are much the same in appearance and value as when last reported on. Dressing, &c., going on as usual.

SOUTH GREAT WORK.—S. J. Reed, Oct. 15: In the drivage east from the flat-rod shaft at the 35 the Orchard lode has improved, and is coming under the large lode we passed over in the 25; the end is worth 11t. per fathom. In the rise the lode is worth 14t. per fathom. In the 20 west, from the engine-shaft, the lode presents a favourable appearance, and contains good instuff; it is, however, 10 fms. behind the valuable lode we have in the winze now being sunk on below the 10. The lode in the 10 west continues to open out favourably, and is worth 9t. per fathom; here we have met with a branch of Richard Perran Downs lode, which, in all probability, will further increase the value of the lode we are driving on. We have been interrupted by water in the winze below the 10, so that little progress has been made in sinking; the lode is worth 18t. to 20t, per fathom. The water has increased at the stamps, and there is now a sufficient quantity for dressing. We have fixed a new cleaning buddle, and the dressing is being proceeded with for the next parcel of tin.

SOUTH PRINCE PATRICK.—J. Jones, Oct. 14: I have nothing new to say about the north driving on Parry's lode, as all this week has been taken up in driving the air drift, which yields very good lead; I expect to hole it through in a day

SOUTH PRINGE PATRICK.—J. Jones, Oct. 14: I have nothing new to say about the north driving on Parry's lode, as all this week has been taken up in driving the air drift, which yields very good lead; I expect to hole it through in a day or two.—Northern Shaft: Since my last report the men got to the bottom of the old debris. At the depth of 42 yards there is a cross-cut to the north about 8 yards in length, and the Bramwell vein is intersected about 4½ yards from the shaft with a rio of lead just I in. thick; it is not yet in the carbonic linestone, where we may expect it to be a great deal stronger. The underlie is to the south, therefore the shaft will come upon it by sinking.

SOUTH ROMAN GRAVELS.—J. W. Powning, Oct. 6: The leadings for the balance bob are completed, and the masons are now taking up the chimney, which

palance bob are completed, and the masons are now taking up the chimney, which be finished (weather permitting) in the course of a few days. We are getting in favourably with the erection of the engine, which I hope to have ready for work

expect it to be a great deal stronger. The underlie is to the south, therefore the shaft will some upon it by sinking.

SOUTH ROMAN GRAVELS.—J. W. Powning, Oct. 6: The loadings for the balance bod are completed, and the masons are now taking up the chimney, which will be finished (weather permitting) in the course of a few days. We are getting on the latter end of the contection of the engine, which I hope to have ready for work the latter end of the contection of the engine, which I hope to have ready for work and the latter end of the contection of the engine, which I hope to have ready for work about the pay-size of the latter end of the contection of the engine.

J. W. Powning, Oct. 13: I have had the portable engine repaired, and get our little with the post of the latter end of the engine. The content is the pay-size of the latter of the

but there is no sign of any bottom. I am now getting a little driving put out at 26 yards below the 52 yard level, where we have had some nice lumps of ore, and the lode looking very promising. I shall soon have a windlass put in at the 29 yards (or 78 yards from surface), and go down further in the swallow to see mising, but is not producing any ove at pressed. Tanker Ville.—A. Waters, Oct. 15: The lode in the 152, west of Watson's shaft, is 6 ft. wide, and getting wider and more wet as we go west. The 140 west is just as when last reported on. The 120 west, on main lode, is opening out very promisingly. The 92 and 82 west are both looking well, stopes yielding good quantities of ore. To-day we have sold 190 tons lead or at 14.8 s. 6d. per ton.

The LEGH WOOD.—E. Hosking, W. Goldsworthy, Oct. 14: In the rise above the 44 fm. level, west of the engine-shaft, which is up 10 fms., we are pleased to say the lode is improved, and is now worth 10%, per fathom--a fine-looking lode, and the ground favourable for rising. We have taken down the lode to the north of the winze sinking below the 34, cast of cross-course, for about 12 ft. wide, which to tappe down to effect a communication with the rise above the 44. There is no change to notice in the stopes.

The YARROCK.—J. Pope, Oct. 13: The engine-shaft is 9 fms. 4 ft. below the 69, and the lode is 3 ft. wide, composed of peach, mundic, and iron, with some tin on the south part. In the rise above the 60 the lode is 3 ft. wide, with 10 in. on the south part. In the rise above the 60 the lode is 3 ft. wide, with 10 in. on the south part. In the rise above the 60 the lode is 3 ft. wide, with 10 in. on the south part, producing saving work for tin. I expect we shall hole this rise to the winze sinking below the 48 this month, which will greatly assist the ventilation in the shaft and bottom level.

Thub Whyn.—J. Pauli, Oct. 15: Saturday last being our setting-day, the following basis were measured and re-fer in the consequence of peach and prina, with some tin or the shaft

sinking below the deep adit level, on the caunter lode, is 1 ft. wide, producing a little tin, but not sufficient to value. The lode in the deep adit level, driving south-cast of Vivian's shaft, on the caunter lode, is 20 in. wide, worth 61, per fathour. The lode in Wilson's shaft, sinking from surface, is 6 ft. wide, worth 61, per fathour. The lode in Wilson's shaft, sinking from surface, is 6 ft. wide, worth for the length of the shaft (9 ft.) 162, per fathour, a fine looking lode. Our machinery is all in good order, and working well.

WEST GOGINAN.—I. Kitto, Oct. 12: I am glad to be able to inform you that the lode in the main shaft sinking below the 12 fm. level still continues to yield very good ore, and the prospects for the next deeper level (24 fms.) are exceedingly encouraging—in fact, I have not seen anything more promising for a long time. In the west end of the 12 fm. level the lode is at present a little disordered; but I am daily expecting this to become more settled, and to resume its former productive character. In the east end of the same level we have a little ore, but not enough to value. We are now getting near the run of ore ground that we passed through in the adit level, and may soon expect an improvement. I will advise you of any favourable change that may take place.

WEST GREAT WORK.—S. J. Reed, Oct. 15: We have driven out east from Trescow shaft 2½ fms., and the latter is more settled and regular; the branches, which were divided, have come together, and the lode is worth 64, per fathon. In the western drivage there is a good lode towards the bottom, and seems to be making more productive going downwards, and I have no doubt at the depth of another level a very valuable lode will be found. The tributers have broken some rich tinstuff on the great north lode, and I purpose putting down a winze to further ascentain its value, this being dome in a lode of similar value, we should soon derive material benefit in the shape of increased returns. The other points are without change.

rive material benefit in the shape of includes the state of thout change.

WEST MARIA AND FORTESCUE CONSOLS.—W. Skewis, N. Coward, Oct. 15;

WEST MARIA AND FORTESCUE CONSOLS.—W. because our ving in the 104 west is 4 ft. without change.

WEST MARIA AND FORTESCUE CONSOLS.—W. Skewis. N. Coward, Oct. 15:
West Maria Lode: The part of the lode we are carrying in the 104 west is 4 ft.
wide, letting out water freely, and composed of quartz, mundic, peach, capel,
and occasionally stones of copper ore. It is also bearing more to the south of west
than it has been, which we regard as a favourable indication for productiveness.
The lode in the 93 west is about 2 ft. wide, and disordered by a small cross-course.
The lode in the stope in back of the 93 fm. level west is worth 100, per fathom.
The lode in the stope in back of the 93 fm. level west is worth 186, per fathom.
North Lode: The lode in the stope in back of the 71 west is worth 186, per fathom.
WEST TANKERYLLE.—A. Waters, Oct. 15: I was underground here to-day,
but see nothing new to write about since last week's report. We have sufficient
surface water at present for grating the ore as it is drawn to surface, and the
chances are that we shall have a supply through the winter. Dressing operations
can, therefore, be carried on.
WEST WHEAL GORLAND.—J. Mayne, Oct. 15: The lode in Messer's shaft, I
west wind the stope of the property of the stone of the property of the

can, therefore, be carried on.

WEST WHEAL GORLAND.—J. Mayne, Oct. 15: The lode in Messer's shaft, I am pleased to inform you, has improved, and is now worth 20', per fathom; the sinking will be continued 4 ft. deeper, making the lift 14 fms., when we shall commence driving cast and west. The lode in the bottoms in the stope, 10 fms, in the true west, is still looking as well as it has, and the same remark applies to the other stopes. The 30, driving west on the north lode, has a very promising appearance. The winze sinking in the bottom of the 32, west of the south shaft, is in a large lode, all saving work for the. No other change to remark on.

WEST WHEAL TOLGUS.—Oct. 14: The lode in the 125 end west is 4 ft. wide, yielding 4 tons of ore per fathom; this is a falling off in value. The eastern stope in the back of the 125 is not so good as it was, now yielding 3 tons of ore per fathom. The western stope is producing 12 tons per fathom; this is a filling off in season. The lode in the 15 end west is 3 ft. wide, yielding 4 tons of ore per fathom. The lode in the 16 end west is 3 ft. wide, yielding 2 tons of ore per fathom. The lode in the 95 end west is all the size of the end; at times there are good patches of ore, the north branch that yielded 1 ton of ore per fathom came out to a splice, but still the end will yield 1 ton of ore per fathom. We are glad to say the lode in the 85 end west is looking better, the south part is 2 ft. wide, and orey; the north part is 1 foot wide. good work. The improvement has taken place since last night. The lode in the 75 end west is 2 ft. wide, yielding 1½ ton of ore per fathom, which is a falling off in value since last week's report. The stopes in the back of the 85 are without alteration. Richard's shaftmen are getting on in sinking very well; the lode in disordered by the elvan course, poor, but ground good. The stopes in bottom of the 55 are just the same as last reported, yielding 4 tons of ore per fathom. The other stopes in the same are intended to be set on tribute.

WHEAL ARGUS.—T. Treharr, Oct. 15: There is no change to notice in the mine for the last week, with the exception of an increase of water for the stamps. The stamps are working well, and we hope to increase the quantity of tin for the stamps are working well, and we hope to increase the quantity of tin for the stamps are working well, and we hope to increase the quantity of tin for the stamps are working well, and we hope to increase the quantity of tin for the lode in the 45 fathom level, driving east of Wheal Cock ergine-shaft, is from 3½ to 4 ft. wide, and worth 14!, per fathom, being driven by eight men, at 8!, per fathom, being driven by eight men, at 8!, per fathom, being driven by eight men, at 8!, per fathom, the lode in the 35, east of said shaft, is nearly 6 ft. wide, and worth 14!, per fathom, being driven by eight men, at 8!, per fathom in length. The new shaft on the south lode has been sunk 6 ft., which we set at our last survey day, and we have now put the men to stope eastward, to let down the water, and get to the old men's deepest workings. The lode in this stope is from 4 ft. to 5 ft. wide, and worth for tin from 8!, to 9!, per fathom. There is no change of importance to notice in the tribute department.

WHEAL GRENVILLE.—E. Hosking, W. Bennetts, Oct. 10: Setting Report: To drive the 160 cross-cut north through the South Condurrow lode, by nine men, at 20!, per fathom; we are pleased with the appearance of the lode at this point, which, so far as seen, is worth 18!, per cubic fathom. To stope above the 180, per stathom. To stope above the 180, east of cross-cut, by eight men, at 6s. per fathom. To stope above the 180, east of wind we are pleased with the appearance of the lode is worth 18. per fathom. To drive the 130 cross-cut north of new shaft, by six men, at 18, per fathom. To drive the 130 cross-cut north of north shaft, by six men, at 18, per fathom. To drive the 130 cross-cut north of north shaft, by six men, at 18, per fathom. To drive the 130 cass cut north of north shaft, by six men,

of the adit. The water is so quick that the men can make but little progress. It takes two-thirds of their time in drawing water.

WHEAL RUSSELL—J. Bray, Oct. 18: The lode in the 25 fm. level is 3 ft. wide, with good stones of ore. The lode in the rise above the 25 is 4 ft. wide, worth 16d. per fathom, a very fine-looking lode. No other improvement since last report. The lode in the stopes throughout continues good. We shall sample for this month 100 tons.

the lode in the stopes throughout continues good. We shall sample for this month 100 tons.

WHITEHAVEN IRON MINES.—T. Rosewarne, Oct. 14: The midway drift as been driven by two men: the lode is large, and of a very promising character, and to all appearance the lode will soon resume its former productiveness. The tope in back of this drift is worked by two men on daywork; the lode is very good. No. I drift is worked by two men; the ground here is easy for driving, and the lode is large, and producing some good stones of ore; I shall put four nen in this drift next week, in order to push it on with the utmost speed. The side vein drift is worked by one man and one boy; the lode is very good. The lode is drift next worked by one man and one boy; the lode is very good. The Internediate drift driving north towards the rise in the back of No. 2 is worked by four men; the lode will yield about 15 tons of ore per fathom. In the side vein n No. 2 drift the lode is improving, and the ground greatly changed for the better, and to all appearance we shall soon get into a run of good ore ground. There is no change in any other part of the mine worthy of notice. Nos. 4 and 5 drifts are pushed on with all speed by six men in each.

change in any other part of the mine wortny or notice. Now, and of the pushed on with all speed by six men in each.

TIN STANDARDS.—The tin standards were advanced 2s. per cwt. on the 14th inst., and are now as follow:—Superior common, 90s.; superior fine, 92s. PRICE OF TIN.—Some of the best quality tin ores raised in West Cornwall—in the 8t. Just district—have been sold within the past three or four days at 57l, per ton, and this may be regarded as about the value of the best Cornish tin. Ores of an inferior quality have been sold at 58l, per ton, but even at these quotations some extensive tin mines in West Cornwall "can hardly keep body and soul together." Coals and iron and other necessaries are, certainly, much cheaper, but many mines are suffering from poverty, and anything approaching rich lodes or very highly productive mines have been quite the exception in West Cornwall for a long time past. As regards the price of tin at the present moment, and its prospective chances, there is no doubt "doctors differ very much on the point;" but Mr. Wellington, the representative of Messrs. Boiltho, at the Providence meeting last Tuesday, and Mr. Rouse, the representative of Messrs. Daubuz and Co., who was at the Rosewall Hill meeting on Wednesday, seemed to be pretty nearly of the same opinion as to the present and future of tin—that existing rates might be the ruling value for the present, and that possibly there might be variations of a pound or two up and down, but that beyond this adventurers must not expect any very important advance or difference for the next four or six months. There is no doubt that a capital market exists for tin, but still the demand for the past six months or more has been insufficient to meet the supply thrown on the market.

CORNISH MINE SHARE MARKET.—The share market has been a little more active during the week, and more business has been doing. There is now a better demand for tin shares at slightly higher prices. On Monday a large

CORNISH MINE SHARE MARKET.—The share market has been a little more active during the week, and more business has been doing. There is now a better demand for tin shares at slightly higher prices. On Monday a large business was done in the London market in Straits and Australian in (130 tons of the latter) st a small advance on Saturday's prices, and on Wednesday the smelters advanced the tin standard 2s. per cwt. all round. This is very encouraging, and a more roseate hue rests on Cornish mining prospects. Although the present stocks of foreign tin are heavy they are diminishing, and there is no English tin in stock. The consumption of tin at this time is very great, nearly 3000 tons more having been sold for elivery in the nine months of this year than in the corresponding period of last year. Tincroft, Dolcoath, and Carn Brea shares have received the principal amount of attention, more having been done in the first than for many weeks past.

The following are the closing prices:—Carn Brea, a fair amount of business has been done at 57 to 59, closing 5% to 59. Cooks Kitchen: a few shares have changed hands at 6% to 10%, closing 9½ to 10. A good business has been done in Dol-

coath at from 46% to 47%; they are now 47 to 48. East Pools are buyers at 8% and sellers 8%. East Lovell, 10% to 11%. Providence neglected, called 4 to 4%. South Condurrow nothing doing, called 3 to 3%. South Crofty, 9% to 10%. South Frances quiet, 9 to 10. 8t. Ives Consols, 7 to 8. A large business has been done in Tincroft at from 30 to 30%, at which they close. West Basset, 8% to 8%. West Better than 10 to 30%, and 10 to 22. West Frances have been most Easter which close 73 to 10 to 10%. A few shares have changed hands in West Tolgus, which close 73 to 74. Wheal Kitty (8t. Agnes), 5 to 6. Uny rather most remained for at 1% to 1%. In Wheal Jane a small business has been done at 2% to 3%. In Wheal Feevor a better empiry at 2% to 3%. We are glad to hear that 3%. In Wheal Feevor a better empiry at 2% to 3%. We are glad to hear that 3% to 10 the 10 the

#### WYE VALLEY LEAD MINING COMPANY.

In another column of to-day's Journal will be found an interest In another column of to-day's Journal will be found an interesting account of the first ordinary general meeting of this company. The distinguishing feature in the event, and one that strongly exhibited the confidence the directors have in their enterprise was that instead of having the meeting at the London offices in the usual way they convened it at the mine itself, so that the shareholders (of whom many of the largest and most influential appear to have been present) might see for themselves the actual state of their property. Everything was considered satisfactory, the very natural feeling being that had there not been the moral certainty of such a result being arrived at it was not at all likely that the board would have fixed upon that particular spot to hold the meeting. It is to be hoped that the success which has hitherto attended this undertaking, coupled with the substantial prospects it holds out for the be noted that the success which has interest attended this interest attended the taking, coupled with the substantial prospects it holds out for the future, will tend to re-attract the attention of investors to the mar very excellent, though quiet, sources of large profit waiting on for development in the mining districts of this country.

GREAT LAXEY.—At a board meeting, on Tuesday, the director clared a dividend of 6s. per share, payable on the 27th instant.

carea a dividend of 08. per share, payable on the 27th instant.

SOUTH PRINCE PATRICK LEAD MINE (Holywell).—The director of this company met on Thursday, and declared an interim dividend of 10 pecent, on the subscribed capital. The reports from the mine are highly gratifying another lode has been cut into from the northern shaft. This is an east and we lode, which traverses across the sett, and is one of six or seven well-known lode besides which there are two very valuable north and south lodes. Out of one of these latter the company have raised large quantities of lead.

WHEAL PERSONNEANCE. This mine was forwardly worked by:

these latter the company have raised large quantities of lead.

WHEAL PERSEVERANCE.—This mine was formerly worked by a Cornish company, under the name of East Wheal Uny, but Mr. Crawshay having purchased the materials and lease from them about a year ago has been working it at his own cost and risk ever since. Two fine lodes run through the sett—Wheal Uny great tin lode and Dayls's tin and copper lode. These lodes both underlie south, but their incilination is not the same, and they will uniteatabouthte 70. The engine-shaft is being sunk perpendicularly from the 40, with a view to the intersection of these lodes at their junction. At the 40 a very hard elvan-course was met with, which it is stated caused the suspension of operations at the former working, but this obstacle has been surmounted, and the shaft has been sunk 5 fathoms below the 60. A copper lode runs through the set underlying north, and this will probably unite with the other lodes a few fathoms below the 70.

PROFITABLE MINING.—We learn from America that the old iron mine in Salisbury, Ct., which has been worked over 150 years, recently declared its annual dividend of 115 per cent.

COLORADO TERRIBLE LODE.—Since the statement of Sept. 12 the 42nd shipment has been sold—85 bags, about 4½ tons, at 150, per ton; 80 bags, about 4 been, 76, per ton; 80 bags, about 4 tons, 76, per ton—and netted 973. 11s. 5d.; 831 bags of ore arrived in Liverpool on 6th inst. There are now five shipments, including the 47th, awaiting sale; two will be sold on the 22nd inst. Four other shipments are advised, and the 52nd was to leave the mine on Sept. 23. The sales of ore in Colorado have been: Value. Price. Value.

		Stewart's	Reduction	Company	13	770	\$115·50 —		
Sept.		**	**		41	718	121.20	5343.08	
**	16.	22	9.9		15	610	149.09	2281.90	
					_	-			

Average price \$125.54 per ton. Deliveries of ore to mill, from Aug. 22 to Sept. 19, 43 tons 963 lbs. mixed 2nd-class and jigged mineral. Latest advices dated Sept. 21. He reports that the mine is looking well throughout. In the 6th level, stope No. 3, the veln is about 8 in. wide, and good ore; in stope No. 4 there are two veins, one about 8 in. wide, the other 4 in.; both are pretty solid, and look to be very good ore. The 6th level drift west is in about 375 ft. west of shaft. The underground captain adds that he never saw the mine looking so well as it is at present. They have a good vein of ore in nearly every place that are working throughout the mine.

INDEPENDENCE GOLD QUARTZ.—The usual monthly telegram from the financial agent announcing the result of the September working was re-cived on the 12th inst. according to which 1000 tons of quartz were crushed, an-produced \$3000, the expenses of mining, milling, &c., being \$4000, leaving a profi of \$4000, or 8004. During the mouth the works being executed on capital account and the purchases for whiter supplies, amounted to \$2000.

Yorke Peninsula Mining Company.—We are glad to observe that this company, having obtained the command of the necessary amount of funds, by the issue of all their preference shares, are resuming operations in earnest. The Kurilla Copper Mine, situated as it is only four or five miles from the port of Wallarroo, in South Australia, and now having a public line of railway passing within a few yards of its shafts and dressing-floors (in a district remarkable for its production of minerals) bids fair, we think, from all reports we receive about it, to become a very important property; for we have yet to learn that a really good and well situated mine of any kind is not such a property, notwithstanding the disastrous results that have recently attended many ill-advised, and we fear we must add in some cases wholly unjustifiable, foreign schemes—results, indeed, to be deplored allike on account of the loss and injury inflicted on those who trustingly have been drawn into them, and because of their prejudiciab but still illegitimate effect on mining generally as a pursuit for the advantageous employment of expital. In a British colony the legal uncertainties of an American "title" to mineral property has not to be dreaded or thought of, while in South Australia es pecially there is a large and increasing mining population, so that labour (although the price of it may be somewhat higher than in Cornwall and Devon) is not likely to be scarce, fittal, or difficult to secure. It is a favourable feature, too, in the prospects of the company that mines are being worked on a large scale—with the best existing appliances and skill, and with almost unprecedented results—in the immidiate vicinity of their mine. The preference shares is sue by the company are entitled to a preferential dividend, which is "cumulative," and by that, of course, is meant that the dividend of any year is preferentially payable out of the profits of that or any succeeding years. In addition to that the preference shares are entitled to participate equa YORKE PENINSULA MINING COMPANY.-We are glad to observe

				LE	AD	0.1	K E	8 8		
Dat										Purchasers.
Sept.	30-0	Caldbeck								Runcorn Smelting Co.
		ditto		123		. 0	4	0		Nevill, Druce, & Co.
	-	ditto	901090111	133	4	. 7	16	0		ditto
	7-I	slay		20		14	17	6	******	Glover and Robinson.
	$\Gamma - \theta$	an-y-Bw	leh	50		. 14	- 5	0		Runcorn Smelting Co.
			***********							Nevill, Druce, and Co.
			-Glogfach							Walker, Parker, and Co.
			en				17	6		Panther Lead Company.
			*********				17	6		Weston, Son, and Co.
	-c	wmystw	ith	15 .		13	1	0		Panther Lead Company.
			each				12	0		Nevill, Druce, and Co.
	13-N	orth La:	key	40 .			11			Adam Eyton.
			ey							Weston, Son, and Co.
	$-\mathbf{E}$	sgair-hir	***************************************	18 .						Walker. Parker, and Co.
						13		0		Nevill, Druce, and Co.
	-C	efn Brwy	mo	15 .		12	15	6		Panther Lead Company.
			ren			20	3	0		ditto
			. 1							Obolden Beeck and O.

#### DIENDE DUDCHASEDS

DEED DE I	MOITAGERIO.
Names.	Addresses.
Bagillt Smelting Company	Bagillt Upper Works, near Holywe
Kenrick and Son Dillwyn and Co. Richardson and Co. Tindale Spelter Company	Wynn Hall Spelter Works, Ruabon. Landore Works, Swansea. Copper Ore Wharves, Swansea. 1. Dean street, Newcastle-upon-Tyne.
Villiers Spelter Company (Limited' Hendon Spelter Company Virian and Son Ripley Spelter Company	Swansea. Exchange Buildings, Sunderland, Hafod Copper Worke, Swansea.

With this week's Journal a SUPPLEMENTAL SHEET is given, which contains—Original Correspondence: Coal and Iron Trades of the West of England (R. Moore); Whitehaven Collieries; North Wales Slate Quarrymen's Strike; Coal Mining in Italy—the Sasso Forte Collieries; Nascent Copper Process; Midland Railway (R. Symons); Tidal Ship Canals (W. Austin); Fuller's Reef Gold Mining Company; Emma Mine: Flagstaff Silver Mining Company; Roman Gravels Mining Company; St. Dennis Consols; Prince of Wales Mine, &c.—Cagliari Mining Company—Canadian Copper Pyrites—Foreign Mining and Metallurgy—Patent Matters, &c.—Meetings of the Emma, Fuller's Reef, Linares, Fortuna, Alamillos, Bog, Wye Valley, Great Laxey, South Cara Brea, Peat Coal and Charcoal, and Ynisawdre Coal, Coke, and Brick Companies.

## The Mining Market: Prices of Metals, Ores, &c.

METAL MARKET-LONDON, Oct. 16, 1874.

197		-	_					-			_
9X-	CODDED	£	8.	d. £	8.	d.	IRON. per ton. £	8.	d. £	8.	d.
788	Best selectedp. ton		0	0-	-		Bars Welsh, in London 9	5	0-	_	
aal	Tough cake and tile.		0		_		Do., to arrive 9	0	0-	_	
ers	Sheathing & sheets	94	0	0- 96	0	0	Nail rods10			_	
ve	Bolts	97	0	0-	-		" Staffd. in London 10		0-11		0
	Bottoms		0	0-	_		Bars , ditto11	15	0 - 12	0	0
eir	Old	85	0	0-	_		Hoops,, ditto12	0	0-	-	
ral	Australian		0	0- 92	0	0	Bars ,, at works 10	0	0-11	0	0
ha	Wireper lb.	0	1	0-	_		Hoops,, ditto11	0	0 - 12		0
ıld	Tubes	0	1	1- 0	1	2	Sheets, single, & plates 12				0
	BRASS.			per lt			Pig No. 1, in Wales 5				0
to	Sheeta					1.	Refined metal, ditto 7		0~ 8		0
er-	Wire			9d	160	1.	Bars, common, ditto 8	5	0-8	10	0
he	Tubes			11d			Do., merchant, f.o.b. } 9	0	0-		
							in Tyne or Tees	•	~	_	
ny	Yellow metal sheathi						Do., railway, in Wales 7	0	0- 7		0
ly	Sheets				_		Do., Swed. in London.16		0 - 17	0	0
	SPELTER.		pe	r ton.			To arrive17	5		-	
	Foreign on the spot	23	5	0-23	10	0	Pig, No. 1, in Clyde 4	15	0- 5		0
	to arrive	23	3	6-	_		Do., f.o.b. Tyne or Tees 4				0
for	ZINC.						Do., Nos.3,4, f.o.b., do. 4	10	0- 5	10	0
	In sheets	30	0	0-31	0	0	Railway chairs 5				0
ers.	QUICKSILVER (p. bot.				_	-	,, spikes12	10	0 - 14	0	0
ing	QUICKSILVER (P. DOC.	, 24	U	0.0	_		Indian Charcoal Pigs,				
the	TIN.						in London, p. ton10	0	0-12	0	0
per	English blocks £			0- 98			STEEL.	*	er to		
ery	Do., bars (in bris.)			0- 88	0	0	Swed., in kegs (rolled)	-,	-		- 1
	Do., refined			0	-		Ditto (hammered)19			0	0
rs	Banca		0		0	0	Ditto, in faggots20			_	0
			0	0-	-		English, spring23		0 - 25		0
	Australian	90	0	0- 91	0	0	anguary oping minutes		0-20		0
rs	TIN-PLATES.*		1	per box	۲.		LEAD.	T	er tor	1.	1
per	IC Charcoal, 1st qua.	£1			-		English Pig, com22	10	0 - 22	15	0
g;	IX Do., 1st quality	. 2	0	0-	-		Ditto, L.B22	12	6 - 22		0
est	IC Do., 2d quality	. 1	15	0-	-		Ditto, W.B23	10	0 - 24	0	0
08:	IX Do., 2d quality	. 2	1	0-	-		Ditto, sheet24	0	0 - 24	10	0
of	1C Coke	. 1	7	0-1		0	Ditto, red lead24	0	0-	-	
	IX Ditto	. 1	13	0-1	15	0	Ditto, white30	0	0 - 32	0	0
a	Canada plates, p. ton.	. 19	0	0-	-		Ditto, patent shot26	5	0 - 26	15	0
ng	Ditto, at works	. 18	10	0-	-	1	Spanish22		0 - 22		6
rk-	* At the works, 1			. 6d. n	er t	on	less. † Add 6s. f	or e	ach X		
W.	Towns pla	Aca 6	and and	non ho	- 1	olor	tin plates of similar bean	A	-ou a		- 1

Terne-plates 2s. per box below tin-plates of similar brand

REMARKS.—There has been very little change in the position of the market during the week. Prices have remained steady. The advance in Bank rate to 4 per cent. on Thursday, and the continued hardening tendency of the money market, does not seem at present to have exercised the slightest influence upon business one way or

hardening tendency of the money market, does not seem at present to have exercised the slightest influence upon business one way or the other. A still further advance of 1 per cent. might not be felt, but should the rate of discount go beyond this business generally would, probably, become even more limited than at present, and coming just at a time when towards the close of the year transactions, as a rule, are always more or less contracted within narrow limits, the effect would prove exceedingly prejudicial. Owing to the establishment of the 'telegraphic system throughout the civilised world, as well as to other causes which have of late years come into operation, changes are far more rapid and decisive than they used to be, and it is peculiarly necessary that those who are extending their credit beyond their means, as well as those who are extending their credit beyond their means, as well as those who are affording such facilities, should be apprised in time of the possibly sudder check which they might meet with, and the serious inconveniences which might ensue, should dear money become the order of the day, or other obstacles be presented which should prevent the renewal of those financial arrangements by which this kind of business is carried on.

Another feature is becoming more and more prominent, and while its influence is felt, especially in political circles, yet in the commercial world the reflex is so strong that it must not be wholly disregarded. The principal continental nations are universally arming to an extent unheard of in former years; and as a necessary consequence, a large portion of the population ordinarily engaged in fudustrial pursuits are called off for the performance of military duties, and the commercial power of such nations is not only thereby crippled, but the necessary increase to taxation for the maintenance of such forces drain the resources of the people, and limits to a proportionate extent their ability to enter upon commercial enterprise. It is said that the best secur

to be hoped that war may me and commercial prosperity; but it is well not alto gether to lose sight of the possibilities of the future, and be prepared for the eventualities that may occur.

COPPER,—The market opened firm at the beginning of the week. Ore at Swansea realised [6s, 3d, per unit; Chili bars, g.o.b., changed hands at 834; Burra, 90% [0s. x] wallarroo, 92% [10s. cash. Later on regulus fetched 16s. 9d. per unit in Liverpool. The demand for English varieties of copper is limited; tough is obtainable at 89% to 90%; best selected, 91% to 92%; sheets, 4 by 4, at 93%; yellow metal sheets and sheathing, 8d. to 85% per bit, it towards the close of the week another parcel of ore was sold at 8wansea at previous prices, and Chili bars are now obtainable at about the same rates as have been current throughout the week. The stock of fine copper in Liverpool and Swansea is estimated at about 14,200 tons, against 15,500 tons on the same date of the two previous years. The consumptive demand for Chili bars is good, and the position of the market sound.

IRON.—Week after week passes by, and still the much-desired improvement in the iron trade appears as distant as ever. The best part of the year has gone, the autumn season is fast drifting into winter, and it is better now to face the conclusion that revival in the iron trade must be indefinitely postponed; and, at all events, no great change for the better is likely to ensue before the turn of the year. Some of the list houses have endeavoured to bring about a more active state of affairs by venturing upon a reduction in their quotations, but the concession in price has not been sufficiently great to induce buyers to come forward. The general slackness now experienced is intensified by an especial degree of dulness in the railway in on department, and as this has formed so important a feature in the iron trade of late years a lack of activity in this quarter affects to a greater or less degree the position of the trade generally. Within the last few days an article

Week ending Oct. 11, 1873 .... Week ending Oct. 10, 1874 ....

Decrease 5,185
Total decrease since Dec 25, 1873 151,182
LEAD. -This metal throughout the week has been in good demand and very scarce for early delivery; good soft English pig is now quoted 221, 10s.; and LB 221, 12s. 6d., and 221, 15s. per ton.

ZINC.—130 tons have realised 28l, 12s, 6d, to 29l, SPELTER remains unaltered; the market firm, owing mainly to nort supplies.

QUICKSILVER.—Business is reported at 23/. 17s. 6d. per bottle.

Tin.—At the commencement of the week the market showed signs of greater animation than for some time past, and a fair business was done in Straits at 91%, to 92%, cash. Australian realised Australian realised 89. to 90.; English ingots, 96. to 97. The firmness with whele the market opened has been maintained throughout the week and the market opened has been maintained information are week, and prices show an upward tendency, Straits being quoted at 921, 10s. to 93t.; Australian 91t., and English ingots, 98t.

TIN-PLATES.—Market is quiet, but firm. There are some house well supplied with orders, and those that are not are indisposed for the submit to any important concession in price.

the present to submit to any important concession in price.

Ingots. ... 20 .... 

The imports of pyrites will probably be rather less than last year.

Mossrs. Vivian, Younger, and Bond—COPPER: Chili bars have been in fair demand without any material fluctuation in price, 83%, being paid for can parcels and some extra prompt, 83%. Jos. to 84%, picked marks, with a pareld J. Edwards at 85%. A cargo of Chilian regulus soid at 18%, 9d, per unit at lizer pool, also some ores at Swansea at 16%, 3d, to 16%, 6d. In fine foreign, Walkaro in rather limited demand at 92%. 10%, to 93%, and Burra 90%, 10%. In English, manfactured is in less request since prices have advanced, but tough and best select have commanded rather better rates. —Thy: Australian slab has sold freely at from 89%, to 90%, 6d., and 85%, to 89%, to arrive and for forward delivery, November, 10%, and 80%, to 92%. For arrival and delivery, November, December, the market closing firm. English in fair demand at 95%, to 95%, but smelters now look for 2%, to 3%, advance since the rise of 2%, in the standard.

smelters now look for 2s. to 3s. advance since the rise of 2l. in the standard.

Messrs. Henry Rogers, Sons, and Co.—Coppers: There seems to be a lull in the demand for bars, but in English the trade has increased during the week, and better prices have been paid even with extended delivery. The spot demand, both for manufactured copper as well as yellow metal, is cheeped the present prices, but may be renewed towards the close of the year. The moles have bought regulus at 16s. 9d.: Importers now ask 17s.—The There has been better demand, and quotations have advanced fully 30s. For plates there seems be less enquiry, and cokes especially are quoted lower.—Spellers: The demand is good, especially for gulvanising. English makers being sold forward, forgin brands are being taken to supply immediate wants. The article has every appearance of being dearer through the winter.—Lead is very firm and scarce: 2l. is now quoted by most of the makers.

ance of being dearer through the winter.—Lead is very firm and searce: 22, in now quoted by most of the makers.

Messrs. James and Shakspeare—COPPER: Furnace material or spot, Swansea and Liverpool, has been sold by private contract at 16s, 3d, for english, 3d, 16th produce; the quantity now remaining in slow is entirely at the former port, and is mostly held for extreme rates. Bar rend virtually unaltered, and the transactions for the past week were but moleate buyers would have operated pretty freely, but sellers demanded the top mark values throughout, and the former refused to pay beyond the lowest quotations our list, except where holders were willing to give them a selection of brands. Oz great cause of the present inactivity is that no news of the Charters for brands, Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands. Oz great cause of the present inactivity is that no news of the Charters for brands of September are yet to hand, and we should not be surprised its advices thereof come except by the mail, due about middle of November the advices there is not have case they will arrive about 10th to 12th prox. The dulness extends to Australia, sorts, and, whilst importers refrain from pressing sales, there is no disposition by purchase at curr nt values. English descriptions are also quiet, but some main are demanding higher rates.—This Smelters have raised their prices for English pig to great delivery, and when a good enquiry since Friday last, and values are rather firm

Messrs. Pixley and Abell-Gold: As anticipated in our last Messrs, Pixley and Abell—Gold: As anticipated in our last of cular, the balance of the gold brought by the steamer from Melbourne, 29,000 is value, has been sent into the Bank, there being no demand for bars. The wild drawnle of sovereigns, chiefly for Egypt, have been heavy during the weeks than 410,000. having been sent away; further shipments being contemplate next week. The Douro has taken 20,220. to the Brazils, and the Conrad 10,000 to Batavia. The Pekin, with 192,240. gold coin, from Japan, is due on the list inst. It remains to be seen whether the rise of 1 per cent. In the Bank rate of the count this day will have the effect of retaining any portion of this amount her. The arr vals during the week have been:—15,400. from Africa; 35,000 from New Zealand; 10,800. from West Indies; total, 70,200.——Sliver: Further order have been received, and the market for the present remains firm at 57 11-161. The arrivals during the week have been small, comprising 13,800. only, from all pets arrivals during the week have been small, comprising 13,800. only, from all pets

Tin has advanced 21. per ton this week, and the MINING SHARE

Tin has advanced 2l. per ton this week, and the Mining Shan Market has been somewhat firmer in consequence, but there has not been much business transacted, and the settlement of the formightly account during the week was comparatively very small. We have been looking forward to this advance in tin, and trust may soon be succeeded by another, as we understand that with small stocks on hand abroad and at home the consumption is increasing, and the sales during the last few months have exceeded more than 2000 tons those of the corresponding month of last year. The mines mostly influenced by the advance have been Doleost, Tincroft, Carn Brea, East Lovell, Cook's Kitchen, Wheal Granilla Kitty (St. Agnes), Wheal Peevor, West Basset, and a few transactions have taken place in Van Consols, Tankerville, Roman Grank Pennerley, Penstruthal, Parys Mountain, Hingston Down, Mark Valley, and a few others.

Dolcoath shares are firm at 47 to 49; Carn Brea shares have avanced to 58, 60; Tincroft, 30 to 32; Cook's Kitchen, 9\(\frac{1}{2}\) to 1\(\frac{3}{2}\); in the 115, east of Northway's cross-cut, the new sout lode is 2 ft. wide, and worth 2 tons of ore per fathom. The 145 east of Northway's cross-cut, the new sout lode is 2 ft. wide, and worth 2 tons of ore per fathom. The 145 east of Northway's cross-cut, the new sout lode is 2 ft. wide, and worth 2 tons of ore per fathom. The 145 east of Northway's cross-cut, the new sout lode is 2 ft. wide, and worth 2 tons of ore per fathom. The 145 east of Northway's cross-cut, the new sout lode is 2 ft. wide, and worth 2 tons of ore per fathom. The 145 east of Northway's cross-cut, the new sout lode is 2 ft. wide, and worth 2 tons of ore per fathom. The 145 east of Northway's cross-cut, is worth 18 ft. per fathom. The 140 continues as Last reported. The sale of ore on Trurs' (100 tons) realised 14f. 8s. 6d. per ton. At Old Batholes, in the lod discovered on the top of the hill there is some splendid leadstid which leads the agents to suppose they are on the top of a cours' of ore.

Ro

of ore.

Rosewall Hill and Ransom United, 1 to 2; no call was made at the meeting, and the improved prospects at the new mine are set as to lead the agents to expect that even with the present price at tin the time is not far distant when the mine will be making for profits. The lode in the new flat-rod shaft, on Middle lode, is not far distant when the mine will be making for profits. profits. The lode in the new Matrod shaft, on Middle lode, is a down 2 fathoms below the 25, and with a lode 2 ft. wide, worth per fathom. The 25 west has been driven 7 fathoms, and the lowest has been driven 7 fathoms, and the lowest has been driven 7 fathoms. per fathom. per fathom. The 25 west has been driven 7 fathoms, and worth 15t, per fathom. The 25 east is worth 10t, per fathom. Treburgett, \(\frac{1}{2}\) to \(\frac{3}{2}\); the mine is looking better, and now that a widerable outlay has been made in machinery, and in the arment of the dressing floors, the returns may be expected to increase while the new arrangements will save a good sum monthly in the costs. In the 90 fm. level the lode has come into the shaft, with costs. In the 90 fm. level the lode has come into the sha costs. In the 90 fm. level the lode has come into the shaft, is important, showing, first, that the south run of ore is lengthy second, the shaft can now be sunk in productive ground. At a cross-cut had to be driven about 40 fms, through barren ground to reach the run of ore; at the 70, about 30 fms.; at the 50, to 20 fms.; and at the 90 it is in the shaft. The north deposite is also now coming into play. Prince of Wales, \$\frac{1}{2}\$ to \$\frac{3}{2}\$; a new underlying north has been intersected in the \$50 sa.

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or pre the ma ing up ing to Rich run, \$4 has bee from tl vein, the

nately in the in The tot Aurora, Septem Was \$56 emms on Wedn which ti expected 1; Tecc pears in tion of le Mr, Prin couraging The sharmer has price, con the last cl

last week out altera publish p. \$16,000. datha of interest shape, and idleness con to 11; to Sierra B

Buttes am Plumas Eu 24 to 3; 10 gold produ St. John been contiduce for Au upon the produce ex the month amounted autions or a second contract of the month amounted autions or a second contract of the month autions or a second contract of the month autions or a second contract of the contra ations gen Chontale to hand ab

taken down shortly to ascertain its bearing and value. It has never heen seen in the mine before, and from its appearance and the strata in which it is embedded the agent considers it an important feature, in which it is embedded the agent considers it an important feature. in which it is embedded the agent considers it an important reature. Wheal Peevor, 23 to 3\(\frac{1}{2}\); the mine sold on Saturday last 6\(\frac{3}{2}\) tons of black tin, which, with the stone previously sold, makes 546L for the month. Bog, \(\frac{1}{2}\) to \(\frac{3}{2}\); East Van, \(\frac{3}{2}\) to 1; Great Laxey, 11\(\frac{1}{2}\) to 12\(\frac{1}{2}\); the meeting held at Douglas, on Wednesday, was somewhat less noisy than usual; the Dearden-Sherwood party was less irriless noisy than usual; the Dearden-Sherwood party was less irritable, and even Dr. Thomson and Mr. Stephenson were comparatively tame, though still a little venomous. Capt. Trevillion's report was considered satisfactory by all, and if those now in opposition could be induced to place confidence in the directors the company would increase in prosperity. A dividend of 6s, per share has been declared. Messrs. P. Watson and Broadbent were re-elected, Mr. Dearden being 237 votes under Mr. Broadbent. The meeting is the sported in the Supplement to this day's Luprnal. Dearden being 237 votes under Mr. Broadbent. The meeting is fully reported in the Supplement to this day's Journal. Herodsfoot, 2½ to 3½; Hingston Down, 1 to 1½; Ladywell, 2½ to 3; Marke Valley, ½ to 1½; Parys Mountain, 7s. to 9s.; Pennerley, 1½ to 1½. Providence Mines, 4 to 4½; Roman Gravels, 13½ to 14½. West Tolgus, 75 to 80; the lode in the 25 end west is now worth 5 tons of copper ore per fathom; the stopes in the back 12 tons and 4 tons per fm. The last sale of copper ore realised 2400%. South Crofty, 9½ to 10; the lode in the bottom of the shaft continues to look well. South Gran Brea, 1½ to 1½; at the meeting the accounts show a loss of the lode in the outcom of the shart continues to look well. South Carn Brea, 1½ to 1½; at the meeting the accounts show a loss on three months' working of 5432. 6s. 6d., and a debit balance of 1122. The costs of the mine charged up were 22471. for three months. Copper realised 1361.; tin, 16341. South Caradon, 95 to 100.

Copper realised 136*l.*; tin, 1634*l.* South Caradon, 95 to 100. South Condurrow shares enquired for, at 3\frac{1}{2}\) to 3\frac{3}{2}\. South Frances, 9 to 10. South Prince Patrick, 2\frac{1}{2}\) to 3; at the meeting a dividend of 2a, per share was declared. Of the 10,000 shares of 1*l.* each into which the capital of the company is divided, 8000 have been issued, and the dividend, therefore, absorbs 800*l.* South Roman Gravels, \frac{1}{2}\) to \frac{3}{2}\. Tumpet Consols, \frac{3}{2}\) to \frac{1}{2}\; to 2\) to 2\frac{1}{2}\; West Basset, 8\(\frac{1}{2}\) to 8\(\frac{3}{2}\); West Chiverton, 2\(\text{ to }\frac{3}{2}\); West Esgair Lle, 1\(\frac{3}{2}\) to 2\(\frac{3}{2}\); West Frances, 9\(\text{ to 10}\); West Maria and Fortescue, 7s. to 9s.; West Seton, 20\to 22\(\frac{1}{2}\); Wheal Jane, \(\frac{1}{2}\) to 2\(\frac{3}{2}\); Wheal Kitty (St. Agnes), 5\(\frac{1}{2}\) to 5\(\frac{3}{2}\); Wheal Uny, 1\(\frac{3}{2}\) to 2\(\frac{3}{2}\); to 10: West Maria in mproving for lead. Penstruthal, 10s. to 12s. 6d.; 20\) tons of tin have been sold

Van Consols,  $2\frac{1}{8}$  to  $2\frac{3}{8}$ ; the lode in bottom of the mine is improving for lead. Penstruthal, 10s. to 12s. 6d.; 20 tons of tin have been sold this month for 1198. Cathedral, 17s. 6d. to 22s. 6d.

With regard to Foreign Mines, the Linares Company have declared a dividend of 3s. 4d. per share; the shares are quoted  $3\frac{1}{2}$  to 4. Alamillos,  $1\frac{1}{4}$  to  $1\frac{3}{4}$ ; the dividend for the half-year was 2s. per share. Fortuna,  $4\frac{1}{4}$  to  $4\frac{3}{4}$ ; the dividend declared for the half-year was 2s. 6d. Almada and Tirito,  $\frac{1}{4}$  to  $\frac{3}{4}$ ; Birdseye Creek, 2 to  $2\frac{1}{4}$ . Chontales,  $\frac{1}{4}$  to  $\frac{3}{4}$ ; the divices this month show a profit of 8l. The quantity of ore crushed has been 1304 tons, which produced 227 ozs. of tity of ore crushed has been 1304 tons, which produced 227 ozs. of gold, value 634l., at a cost of 626l. The damage occasioned by the floods has been repaired, and the agents hope to keep the mill fully supplied. Javali,  $\frac{1}{4}$  to  $\frac{1}{2}$ ; the profit here is 572l. 15s. 7d. for the month; produce, 400 ozs. of gold; remittance, 1102l, 1s. 3d.; expenses, 329l. 5s. 8d. Don Pedro del Rey,  $\frac{5}{2}$  to  $\frac{3}{2}$  dis.; Eberhardt and Aurora,  $\frac{3}{4}$  to  $5\frac{1}{4}$ ; Emma, 1 to  $1\frac{1}{2}$ ; Flagstaff,  $1\frac{1}{4}$  to  $2\frac{1}{2}$ ; Frontino and Bolivia, 7s. 61. to 10s.; Last Chance, 1 to  $1\frac{1}{4}$ ; New Quebrada,  $3\frac{1}{6}$  to  $3\frac{3}{4}$ ; Richmond,  $6\frac{1}{2}$  to  $6\frac{3}{4}$ ; St. John del Rey, 240 to 245; South Aurora,  $\frac{1}{4}$  to  $\frac{3}{8}$ ; Sweetland Creek,  $2\frac{3}{4}$  to 3; Tecoma,  $\frac{3}{8}$  to  $\frac{1}{2}$ .

The Market for Mine Shares on the Stock Exchange during the The Market for Mine Shares on the Stock Exchange during the week, notwithstanding the fortnightly settlement, which was completed on Thursday, has been well maintained. Home mines have been active at improved quotations, especially lead and tin descriptions, both these metals having advanced. As regards lead, judging by the operations that are taking place in the best informed quarters, much higher prices are looked for. Copper, on the other hand, is less firm, and but few transactions are recorded at the recent advance, the impression being that the higher quotations are due more to speculative purchases than actual business demand.

American mines have been generally neglected, and lower values have ruled. The chief feature in this department has been the continued apprehension relative to the position of Flagstaff. It is

have ruled. The chief feature in this department has been the continued apprehension relative to the position of Flagstaff. It is known that the company are entirely without funds, and that in order to commence the projected legal proceedings it will be necessary to raise additional capital, either by the issue of debentures or preference shares, the effect of which will be to further prejudice the market value of the ordinary shares. The expediency of entering upon such a career of litigation is generally questioned, while the result is regarded as extremely doubtful. Besides this, according to well-authenticated private advices, the mine has materially fallen off in value and prospects, and it appears that at no time has

fallen off in value and prospects, and it appears that at no time has it occupied the favourable position previously indicated. Richmond Consolidated, 63 to 63.—Cablegram received: "Week's nn,\$44,000." The recent vigorous prosecution of exploratory works has been attended by singularly rapid and great successes. We learn that rich carbonate ore has been struck at a depth of 430 ft. from the surface, much below any point yet reached by the great vein, thus affording a splendid prospect for the future. At a depth of 70 ft. from the point where it was first met with in the late new discovery the ore has been followed 80 ft. forward, and there is now a bead of 20 ft. wide. The ore in this portion of the mine is fortunately rich is lead and thus surplies the deficiency in that vectol abend of 20 ft. wide. The ore in this portion of the mine is fortu-nately rich in lead, and thus supplies the deficiency in that metal in the main body of ore where the silver and gold predominate. The total make this season amounts to \$913,000. Eberhardt and Aurora, 4½ to 4½; a cablegram amounces that during the 15 days in September 570 tons of ore were crushed, the average assay of which was \$56; the bullion produced was \$21,203; no charge in the was \$56; the bullion produced was \$21,923; no change in the mine. South Aurora, 10s. to 12s. Emma shares have been stationary at 1 to  $1\frac{1}{8}$ ; the special meeting

SHAR ere ha ne fort

> on Wednesday (reported elsewhere) was adjourned for a month, by which time the winding-up petition will have been heard, and, it is expected, the chairman returned from America. Last Chance, I to 1; Tecoma, § to §. Utah, § to §; a letter from Mr. Longmaid appears in another column. It seems that he has formed the intention of leaving the works, and coming home. New Pacific, § to §; to §; Mr. Pringle's report in another column is considerably were at Mr, Pringle's report, in another column, is considerably more

> The shares in the various Hydraulic Mine Companies remain quiet. There have been transactions in Sweetland Creek at an adv page have been transactions in Sweetland Creek at an advanced price, consequent on the receipt of a favourable telegram concerning the last clean-up. Birdseye Creek are at about the same quotations as last week. Cedar Creek have been dealt in. Blue Tent remain without attention. Sweetland Creek, 2\frac{3}{4} to 3; in another column we publish particulars of another run of 62 days, resulting in a profit of \$16,000. As Mr. McLean has before stated that this run was principally on side directions and security in the contraction of the contrac as ar. access has before stated that this ran was principally on side dirt, it is most encouraging, and seems to bear out his section that the side dirt is almost as rich as the channel. We are section that the side dirt is almost as rich as the channel. We are informed that he will not be able to recommence washing until towards the end of November. Birdseye Creek, 2 to 2½; there is nothing of interest from Mr. Powers, he is getting everything into proper shape, and carefully going through the work during the enforced idleness caused by the water season having closed. Cedar Creek, 1 to 1½; the works here are almost closed for the season. A good supply of water part year would enable the company to make good

floods had been repaired, and that during the current month there is no reason why the whole 36 stamp-heads should not be fully employed on profitable ore. They are capable of crushing from 2500 to 2700 tons per month, so that it may reasonably be expected the next advices will bring considerably increased profits for the month of August, as there will be no corresponding increase in cost in proportion of the larger quantity treated. The wet season may now be considered fairly set in, and the next few months will, in all probability, show a larger quantity of ore crushed than at any former bability, show a larger quantity of ore crushed than at any former

bability, show a larger quantity of ore crushed than at any former period.

Cape Copper shares have declined to 27, 28; during August Ookiep returned 765 tons of 32 per cent., and Spectakel 62 tons of 27 per cent. Sales by public ticketing have been 398 tons of ore on Sept. 22, at an average of 15s. 9d. per unit, realising approximately 8280 $\ell$ , and 408 tons on Oct. 6, at an average of 16s.  $1\frac{3}{4}$ d. per unit, realising approximately 10,450 $\ell$ , and put forward for sale by public ticketing 500 tons of ore on the 20th inst. New Quebrada,  $3\frac{1}{4}$  to  $3\frac{1}{4}$ ; Rain-cillo,  $\frac{1}{2}$  to  $\frac{3}{4}$ ; Rio Tinto, 1 dis. to par; Russian Copper,  $2\frac{1}{4}$  to  $2\frac{3}{4}$ . Van, 22 to 24; the mine is looking as well as possible, and on Monday the agent sampled 500 tons lead for the four weeks. Van Consols,  $2\frac{1}{8}$  to  $2\frac{3}{8}$ ; the operations at the mine are now confined to sinking and driving on the productive points on the lode, and the monthly costs will be now much reduced without impairing the efficient working of the mine. Bog,  $\frac{1}{8}$  to  $\frac{3}{8}$ ; the mine is opening out very well, and improving, as will be seen from the report which we publish in the account of the meeting in another column. At this meeting the Chairman announced that the applications under the reconstruction scheme were coming in fairly, but that more were meeting the Chairman announced that the applications under the reconstruction scheme were coming in fairly, but that more were required before the board would be justified in going on. It was resolved, therefore, that a further appeal should be made to those shareholders who had not yet responded, and that in the meantime the meeting should be again adjourned. Looking at the way in which the mine is at present opening, it would seem hardly possible any member should refuse to come forward and support the board in their endeavour to put the concern on a satisfactory basis. Pennerley, 1½ to 1½. Engine-Shaft: The lode in the 100 fm. level west, on east and west, is worth 1½ ton of lead per fathom, and the Big Ore lode going west 1 ton. The winze below the 70 has been communicated with the level below, and stoping commenced each end of the winze, where there is a good lode, worth 2 tons per fm. communicated with the level below, and stoping commenced each end of the winze, where there is a good lode, worth 2 tons per fm. An important improvement has taken place in the 40 west, on the north lode, the lode being worth 3 tons per fathom. This is entirely new, as nothing has been done on the lode below the adit, from above which large quantities of lead have been raised. The lode in the 25 east contains a little lead, and the winze below is worth 2 tons of ore per fathom.—Potter's Pit: In the 65 north another branch has been met with, and they have about 9 ft. to drive to intersect the lode. The winze below the 55 west is worth 1 ton of ore per fathom, and will be holed by the end of the month. The 45 fm. level winze has been communicated with the level below, which has laid open stoping ground. The lode in the rise on the caunter lode has a good appearance, yielding \( \frac{1}{2} \) ton of lead per fm. The 15 east is worth 1 ton per fathom. West Esgair Lle, \( 2\frac{3}{2} \) to 3; the cross-cut in the 34 is within a few feet of the north part of the lode. The ground has entirely changed in character, and no doubt lode. The ground has entirely changed in character, and no doubt a good lode will be cut when reached. There is no particular change in the western mine, and all surface operations are going on well.

in the western mine, and all surface operations are going on well. Subjoined are the closing quotations:

Bog, ½ to ½; Carn Brea, 55 to 57; Cook's Kitchen, 9½ to 10; Devon Great Consols, 1½ to 1½; Dolcoath, 46 to 48; East Caradon, 1 to 1½; East Lovell, 11½ to 12; Great Laxey, 11½ to 12; Hingston Down, 1 to 1½; East Lovell, 11½ to 12; Great Laxey, 11½ to 1½; Perkins Beach, ½ to ½; Parys Mountain, ½ to ½; Penstruthal, 108, to 128, 64; Roman Gravels, 13½ to 1½; South Condurrow, ½ to 3; Tincroft, 30½ to 31; Tankerville, 7½ to 7½; Van, 22 to 24; Van Consols, 1½ to 2; West Basset, 8 to 8½; West Chiverton, 1½ to 2½; West Tankerville, ½ to ½; Wheal Grenville, 5 to 5½; Almada and Tirito, ½ to ½; Brisaeve Creek, 2 to 1½; Cadar Creek, 1 to 1½; Cape Copper, 27 to 28; Colorado Terrible, 3½ to 3½; Chontales, ½ to 3½; Don Pedro, ¾ to ¾ the History and Aurora, 4½ to 5; Emma, 1 to 1½; Flagstaff, 1½ to 2; Frontine and Bolivia, ¾ to ½; Independence, 2½ to 3; List Chance, 1 to 1½; Malpaso, ¾ to ½; Malabar, 10s. 15s. New Quebrada, 3½ to 3½; Font Aurora, 10s. to 12s.; Sweetland Creek, 23 to 13; St. John del Rey, 235 to 245; Sierra Buttes, 2½ to 2½; Utah, ¼ to ½; United Mexican, 2½ to 2¾.

United Mexican, 2\% to 2\%.

Collieres and Ironworks.—Transactions have been recorded during the week in Thorp's Gawber, Bilson and Crump, Chapel House, West Mostyn, Cardiff and Swansea, Newport Abercarn, Native Iron Ore, Clee Hill, Silkstone Fall, Chillington Iron, and a few others. Owing to a call of 1\(l\), per share, payable at the end of this month, Cardiff and Swansea shares have been offered by weak holders, and close \( \) lower than last week.—3\% to 3\%. The output and general condition of the collieries continue to be very satisfactory. Newport Abercarn shares have been enquired for, owing to a few tons of coal by way of commencement having been sent to market. Shares close B 3\% to 4\%. The improvement noticed last week in Chapel House has been maintained, and shares close firm at 4\% to 4\%. The ironworkers employed at the extensive works of the Wigan Coal and Iron Company received notice three weeks ago of a 10 per cent. reduction, to which they object, and left off work on the 1st inst. The furnaces were damped, and a determined attitude was assumed on both sides. However, on Friday, Mr. Shufflebottom (who is said to be a tower of strength), the Lancashire representative of the Ironmakers Society, waited upon Mr. Hewlett, the managing director, accompanied by some of the men, and after a long discussion, the masters gave them to understand that they would be allowed to resume work on the condition that all the reductions which have taken place during the previous fortnight, and the succeeding one, shall be taken into consideration and be averaged. The deputation returned to a meeting then sitting at Ince, and reported the result. The proposals were submitted to a ballot, which gave a large majority for agreeing to the masters terms. Accordingly on Saturday the furnaces were blown in, and the men resumed work on Monday morning following. Nanty-Glo and Blaina, 47 to 50; Alltami Colliery, 4\% to 5\% its. Chillington Iron, 5\% to 6\% its. South Cleveland, 9 to 7 dis.; Central Swedish Iron, 4 to 6. On

It is announced that the subscription lists for 110,000l. Perpetual Five per Cent. Debenture Stock secured upon the extension to the Midla way of the Somerset and Dorset Railway Company will be closed on Mond the 19th. Inst., for London, and on Tuesday next, the 20th inst., for the

THE IRON TRADE-(Griffiths's Weekly Report).-Friday Evening, THE IRON TRADE—(Griffith's Weekly Report).—Friday Evening, Oct. 16: We have to report a fall of 3s. in the price of GMB iron on the 'Glasgow Exchange this week. Last Friday the market closed at 86s. 86.; to-day thefprice in Glasgow at the close was 83s. 6d. We quote makers' No. 1 iron as follows:—Gartsherrie, 106s.; Coltness, 110s.; Langloan, 110s.; Summerlee, 106s.; Monkland, 93s., f.o.b., Glasgow; Glengarnock, 100s.; Eglington, 90s., f.o.b., Androssan; Shotts, 109s., f.o.b., Leith; Kenniel, 95s., f.o.b., Bo'ness. The iron trade has been more active this week. The orders held back for the quarterly settlement are, to some extent given out since, and the trade altogether is more brisk than it was before Quarter-day. Some good orders have been given out for marked Staffordshire bars of all kinds, the engineers and railway establishments being more disposed now to renomial their stocks. Macked have see acciling at 11. the Earlof Dudley's wardsthend of November. Birdseye Creek, 2 to 2½; there is nothing of interest from Mr. Powers, he is getting everything into propes ape, and carefully going through the work during the enforced idleness caused by the water season having closed. Cedar Creek, 161; the works here are almost closed for the season. A good spply of water next year would enable the company to make good profits, as a very great deal of the unproductive work has come to a season that a season that the season to see the season to season the season th

former in every case, maintained late prices. We regret to have to state that Mr. Charles Ryland, the well-known metal broker, was unable to attend the Exchange through indisposition.

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A N ENGLISH CIVIL AND MINING ENGINEER, about to visit Colorado, Utah, and other Pacific States, is OPEN for COMMISSIONS to EXAMINE and REPORT upon MINIES, or the present CONDITION of existing UNDERTAKINGS, on very reasonable terms. He has a thorough knowledge of accounts, and understands titles. Will be absent about three months. Address, "C. E.," Auxiliary Offices, 36, New Broad-street, E.C.

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A N T E D IMMEDIATELY, a STRONG, WELL MADE horizontal high-pressure WINDING ENGINE, 24 to 26-in. cylinder, 4 to 5 ft. stroke, complete to end of crank shaft, including fly-wheel. Must be new, or very good second-hand. Crank carriage must be on left hand side of bed. Address, H. Johnson, Mining Engineer, 5, Trindle-road, Dudley.

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NITED MEXICAN MINING COMPANY
(LIMITED).
Notice is hereby given, that the ORDINARY HALF-YEARLY GENERAL
MEETING of proprietors will be HELD at the office of this company, on WEDNESDAY, the 4th day of November next, at One o'clock precisely.
The above meeting will be converted into an EXTRAORDINARY MEETING
for the purpose of passing the following resolution:—
That a call of Two Shillings and Sixpence per share be and the same is hereby
made on all the shareholders in the company, the same to be payable on the 1st
day of December next.

day of December next.

The Transfer-Books will be closed on the afternoon of the 24th tustant, and reopened on the day succeeding the meeting.

By order of the Board,

W. M. BROWNE, Secretary.

Office—No. 3, Great Winchester-street Buildings, E.C.,

London, 12th October, 1874.

THE YORKE PENINSULA MINING COMPANY (LIMITED).

All the PREFERENCE SHARES of the company having been TAKEN UP, instructions (following previous letters) have been telegraphed to the Committee, at Adelaide, to RESUME and PROSECUTE VIGOROUSLY OPERATIONS at the KURILLA MINE.

By order of the Directors,

C. GRAINGER, Secretary.

Wing's Arms.vard. London. E.C.. October 16, 1874.

1, King's Arms-yard, London, E.C., October 16, 1874.

#### SUBSCRIPTION FOR

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EXTENSION TO THE MIDLAND RAILWAY

## SOMERSET AND DORSET RAILWAY COMPANY.

NOTICE IS HEREBY GIVEN, that the SUBSCRIPTION LISTS for the above will be CLOSED on MONDAY next, the 19th instant, for LONDON, and on TUESDAY next, the 20th instant, for COUNTRY APPLICATIONS.

By Order, A. DIFFORD, Secretary.

General Offices: Glastenbury, Somerset, October 14th, 1874.

#### Actices to Correspondents.

CARDIGANSHIRE OLD BOG.—I am a shareholder, and like your correspondent, "Inquirer," cannot obtain any information about the mine. Surely the shareholders deserve respectful treatment by those who have the management.—EKUL.

Received,—"E. F. H."—"Shareholder" (Clee Hill Colliery)—"W. W." (Helensburgh)—"T. R."—"Amicus" should write to the Secretary of the company—
"Shareholder" (Lovell)—"R. B."—"M. W."—"W. T. Y."—"G. G."—"Shareholder" (Van Consols) should apply to the Secretary, who will readily send the information)—"Stannum:" Next week—"A Dupe"—"Shareholder" (West Chiverton) should attend the meeting, and ascertain the particulars he requires.

The Supplementary Sheet—We have received occasional complaints, and of late a good many, that the Journal is delivered by county booksellers without he Supplement. Subscribers would oblige us by demanding that the paper should be handed to them complete, as every Journal is accompanied by the Supplement when it leaves our office, and the fault of omission must rest with the country bookseller or their London agent.

# THE MINING JOURNAL.

Railway and Commercial Gazette.

LONDON, OCTOBER 17, 1874. THE MINERS' CONFERENCE.

The half-yearly Conference of the Amalgamated Association of Miners, which commenced its sitting on the 5th inst. at Birmingham, appears to have been principally remarkable for exhibiting the thorough weakness of that once apparently powerful body, the great secession of members, the indebtedness of many of the lodges, and the want of funds. In no instance within our recollection has such a complete exposure of impotency been volunteered by any trade combination as that made during the past week by Mr. HALLI-NAY and his coadinators. The association which in the early part of such a complete exposure of impotency been volunteered by any trade combination as that made during the past week by Mr. HALLIDAY and his coadjutors. The association, which in the early part of the year presumed to dictate terms to employers and workmen as well, appears to have collapsed lil e a house built of cards, for one-half of the members have le't it, and many more appear determined to follow a like course, as will be seen from our resumé of the proceedings. A large number of the men joined the association evidently believing that it was strong enough to prevent any serious reduction of wages. But as it turned out that the Association was not sufficiently strong to accomplish so much they left it in disgust, after paying their subscriptions and levies for a considerable time without receiving any benefit who tever of a substantial character, or having their position improved. This is only what might be expected when inducements to join a society are held out that cannot be accomplished. It is, therefore, not surprising to find that not only the Amalgamated but other miners' associations have come to grief during the late crisis, and their leaders treated with rudeness, and charged with sacrificing the interests of those who pay them well for their services. So long as matters sailed quietly along, and colliery owners proposed no reduction of wages, the Unions were looked upon as mighty powers, and the chiefs of them were told that they were amongst the ablest and cleverest in the country; but when it was found that they could not avert wages then were told that they were amongst the ablest and cleverest in the country; but when it was found that they could not avert wages being very sensibly reduced then all was changed, and homage was refused to the officials who formerly looked for and received it. The men then demanded to know what the leaders considered they had been paying for if it was not principally to keep wages up, and not receiving what they considered a satisfactory answer became dissatisfied, and then seceded. That we are not exaggerating the actual situation we need only refer to the proceedings at the Birmingham Conference. At the commencement of it one of the delegates remarked that it was not desirable that the public should be made acquainted with the financial position of the Association, to which the secretary promptly replied that it was not intended to do so. This is all very well as far as it goes, but the public, as well as those more particularly interested, after such a very suggestive declaration will come to no wrong conclusion with respect to the funds in hand. That the amount is not very large in the aggregate, or if divided would be of much use individually, we are led to believe, not only from the official reticence, but from the statement made by the secretary to the effect that a number of lodges were in made by the secretary to the effect that a number of lodges were in arrears to the extent of upwards of 18,000L, whilst the number of members was now only 57,766, being a decrease of 48,602 during the last six months. This certainly looks more like a collapse than either healthy or assuring, and is not likely to animate any of the recusants to again become members of the Amalgamated Association. But further it appears that the association is actually indebted some But further, it appears that the association is actually indebted some thousands of pounds to several districts. In his opening address Mr. HALLIDAY alluded to the state of the

In his opening address Mr. HALLIDAY alluded to the state of the coal trade, and to the necessity of the men accepting a reduction of wages, as proposed by the colliery owners of the Wigan district. He said there had been a great drop in the price of coal, and illustrated his position by stating that the charge for coal some time since in London was from 46s, to 50s, per ton, but now he saw that the price of coal brought in ships from East Hartlepool was quoted at 24s, per ton. Generally speaking, he said, "the price of coal had gone down in London 20s, a ton." Mr. HALLIDAY, as is often the case with very cleve: men, confounds two totally different things, whilst his statement that coal has fallen 20s, a ton in the nectronolis is a mere fiction that will not stand looking at for a metropolis is a mere fiction that will not stand looking at for a moment. This Mr. Halliday would have discovered if he had looked into the Blue Book of the Select Committee on Coal of last looked into the Blue Book of the Select Committee on Coal of last year, and in which his own evidence is given. He would find that the 46s, to 50s, per ton related to coal delivered in London to consumers during 13 days in February, when there was a panic, but on March 1 it had fallen to 40s, when it gradually receded until the close of the year, when it was 33s, a ton. The 24s, per ton alluded to was for coal sold to merchants from the ships. Prices of coal in London were the highest ever known during the first quarter of 1873, when the average paid for Hartlepool Wallsends—the dearest coal entering the Port of London—was 11.14s, 6d, per ton. This is only, we suppose, one of the many inaccuracies that are sure to creep into even well-matured presidential addresses, and we feel sure Mr. Halliday will thank us for setting him right. We quite sure Mr. HALLIDAY will thank us for setting him right. We quite agree with him, however, as to the necessity of the children of miners receiving a sound education, for by such they will not only improve their social position and become good and loyal members of the community, but will also make them less liable to be influenced by well-paid non-working agitators. But we cannot go with him when he urges the necessity of managers of colligings being with him when he urges the necessity of managers of collieries being practical men, and taken from the ranks of the miners themselves. What is wanted in the management of a mine is thorough competency, practical and scientific, and we find very few men working

petency, practical and scientific, and we mad very lew men working as colliers who are possessed of these qualifications.

The second sitting was followed by a public meeting of a semipolitical character, in which Mr. CHAMBERLAIN, of Birmingham, Mr. HANDEL COSSHAM, and other extreme politicians took part. Mr. HALLIDAY proposed a resolution in favour of the borough franchise being assimilated to the county. The mixing up of political questions with trades matters we have on many occasions pointed out as likely to be most injurious to any trade association; but some gentlemen who aspire to parliamentary honors appear to be never so happy as when ventilating their political nostrums, which they do at all times and all seasons. Mr. Chamberlan alluded to the defection from the ranks of the Amalgamated Association, and remarked that it would be a disastrous time for working men gene-rally if they ceased to repose that generous confidence in the leaders rally if they ceased to repose that generate series of successes on the first defeat behave unjustly to those who had hitherto represented them. The secedes, we believe, know as much, and we should say a good deal more, as to what is to their own benefit, than does Mr. CHAMBERLAIN. They know that the Amalgamased executive have made promises which they have been unable to keep, and hence the secession. But promises made without consideration, and for the sole purpose of obtaining a passing popularity, are sure to lead to unsatisfactory results and grievous disappointment. This has been the case with respect to a very large proportion of the members of the case with respect to a very large proportion of the members of the Association over which Mr. Halliday has presided since its

establishment. Some six years ago the men were led to believe that by becoming members of it every grievance, real or fancied, would be redressed, wages would be advanced and maintained, and in the event of the masters showing any opposition money would be found to fight them. All this has now been changed, and the men find, when the pinch comes, that the Association is unable to give them material aid, and, as in the Wigan and St. Helens cases, advises them to accept the masters' terms. The advice is undoubtedly the best that could be given, and in our opinion will have to be followed. But the men have retorted by saying it was not advice but moral and pecuniary aid they required, and for which they had long been paying into the Association fund. This was what was stated by some of the delegates on Saturday as the views of those they represented, and it was followed by something approaching a scene. It appears that Mr. HALLIDAY saw Mr. M. PEACE, who acts no behalf of the Wigan Colliery owners, and expressed his surprise that a letter had been published stating that the delegates scene. It appears that Mr. Halliday saw Mr. M. Peace, who acts on behalf of the Wigan Colliery owners, and expressed his surprise that a letter had been published stating that the delegates had agreed not to accept the 10 per cent. reduction, as he had recommended them to do. A good deal of discussion followed with regard to the matter, and the President then read a letter, dated Wigan, Oct. 9, which stated that at "a delegate meeting of one man from each colliery a vote of censure was unanimously passed on Mr. Thomas Halliday for his conduct in going to Mr. Peace;" and, further, the Wigan district wishes to know "what authority Mr. Halliday had for going to Mr. Peace, and making the statement, as the men of the Wigan district consider him quite out of order in interfering in their business without their consent."

This was certainly very plain language to use to the President

This was certainly very plain language to use to the President, and shows what the coming events are likely to be. A resolution was then come to recommending the men in the Wigan district to was then come to recommending the men in the Wigan district to accept the 10 per cent. reduction and to resume work at once; and if they refused to do so that the Association decline to support them. The subject was again before the Conference at the sitting on Monday, when Mr. Lewis, of St. Helen's, read a letter he had received from the district committee at that place. The letter stated that he was to leave the Conference immediately, as the committee did not see there was "eavy wore business worth his charging leaves." that he was to leave the Conference immediately, as the committee did not see there was "any more business worth his staying longer for," and that there would be a delegate meeting the same evening; and they as a committee strongly recommended that their district withdraw from the Amalgamated, "hoping all other districts would do the same." This was certainly very strong, and anything but flattering to the President and executive; but the climax was reached at noon, when Mr. Highton, the delegate from Wigan, handed to Mr. Halliday a telegram which he had just received. It was, "Wigan delegates, come home at once by 12 o'clock train to meet us at district meeting." This certainly looks rather serious as to the future of the Association in its present numerical and financial weakness.

Complications, however, in connection with the Amalgamated.

financial weakness.

Complications, however, in connection with the Amalgamated Association of Miners have not come singly, but in battalions. Not only have the members seceded by thousands, but the arrears amount to many thousands of pounds that will never be paid, whilst, to crown all, the late Vice-President, Mr. J. Brown, has declined all further relations with the Association, and it is understood he will now become President of a new one in North Staffordshire, where about 7000 men have recently left the Amalgamated. There is no reason whatever why Mr. Brown should not fill such a position with as much credit as Mr. Halliday. whose equal he is in every reason whatever why Mr. Brown should not fill such a position with as much credit as Mr. Hallday, whose equal he is in every respect. Nor do we see why North Staffordshire should not have an Association and a chief of its own without going into Lancashire for one. But it appears that the Wigan, St. Helens, and North Staffordshire districts are not the only ones that are dissatisfied with the conduct of the executive, who appear to give the men no liberty of action whatever in relation to their work and wages, for complaints have also been made from other quarters. Of this we had an instance when, in eulogistic terms, the President suggested that a sincere and hearty vote of thanks should be passed to the Mayor of Birmingham for his success in settling the vexed question between masters and workmen in North Staffordshire and East Worcestershire. A resolution to that effect was proposed and seconded. tween masters and workmen in North Stanfordshife and East Wor-cestershire. A resolution to that effect was proposed and seconded, but before it was put Mr. Jackson, delegate (West Bromwich), got up and said he hoped the resolution did not apply to his district, the men in which were far from satisfied with the way in which

matters had been settled.

Looking at what has transpired during the Conference, the diminished number of members, and the districts that threaten to sever all connection with the Amalgamated, its want of funds and consequent powerlessness to oppose any reduction of wages, it is evident that it is now reduced to a very low position indeed. The history of the Amalgamated may be said to be a brief but a most aggressive one. It led districts to strike, raised tens of thousands of pounds, one. It led districts to strike, raised tens of thousands or political caused a vast amount of misery, without in any way benefiting those who belonged to it. That such has been the case we need only refer to the statements of the delegates at the Conference, and the letters read at it. It was certainly the means of raising one man to a position which he considered entitled him to become a member of Parliament, and paid hundreds of pounds for him in this attempt to be so elevated. Now, it is fast crumbling away, unhonoured and almost unnoticed, the annais of the Trades Unions of the country showing no such collapse as has been the fate of the Amalgamated Association during the last six months, and out of the remnant of it and the executive they may say with truth graviora manent.

#### THE DRAINAGE OF THE SOUTH STAFFORDSHIRE COAL FIELD.

Now that ground is broken, and work has been commenced in good earnest, it may be of interest to state how matters stand, what has been done hitherto, and what remains to be done. The Act is altogether new, and, of course, involves many points for consideration at every step. After the area proposed to be affected by the operations of the Act was defined by the arbitrators, in the exclusion for the present of the part of the district north of the Bentley Fault, the remaining area was divided into five districts for underground work, and called respectively the Bilston, Tipton, Oldbury, Kingswinford, and Old Hill districts; but all treated as for one surface work. Attention to the surface being the first point required by the Act, the arbitrators made many visits to the districts, and inspected the streams and swags, and decided that the natural streams should be properly repaired and made to carry off the surface water. To facilitate the commencement of this important operation, the arbitrators ordered most urgent works, without waiting for a report upon the whole surface. They have ordered the repair of the streams at Bilston, Darlaston, Willenhall, Wednesbury, Netherton, and Kingswinford. The commissioners have thus plenty of week, upon which all will be seen able to hearing. The plans upon ton, and Kingswinford. The commissioners have thus plenty of work, upon which all will be soon able to begin. The plans upon which they will act will embrace the deepening and widening of the streams where that can be safely done: and then the raising of the banks, so that even in flood time the whole water may be carried across the mines without, as at present, spreading over the surface. By this means the chance of water going into the mines will be reduced to a minimum, as the area for percolation will be so greatly lessened. When this has been done the amended streams will be carefully watched, to prevent their persing cetting into the predicted. lessened. When this has been done the amended streams will be carefully watched, to prevent their again getting into the neglected state which now marks them. The work is being begun at the Bilston Brook, near the town of that name. The necessary arrangements are being perfected for all the other works to go on simultaneously. The works to be undertaken are neither heavy nor difficult, and, although costly in the aggregate, are not likely to be so in any one place more than another. The commissioners are in

difficult, and, although costly in the aggregate, are not likely to be so in any one place more than another. The commissioners are, in fact, accomplishing by common arrangement what should have been done from time to time during the past 20 years.

The work that will have to be undertaken beneath ground is of a much more difficult class. Before it can be begun more information must be obtained of a nature less easy to procure than has been the information relative to the surface. The details of each district are being worked up, under the direction of Mr. E. B. MARTEN, C.E., by separate mining engineers as assistants to the arbitrators, and the needed information for an award is rapidly accumulating: but as it. needed information for an award is rapidly accumulating; but as it involves details of all pumping-engines, the boundaries of all properties, and the condition of the minerals, it is clear that if the work

is to be done properly time must not be begrudged. We have authority for saying that at the earliest possible moment the arbitrators will report what must be done in respect to the underground work, douckly thereafter the benefit of the Act will be felt. It should not be unreasonable to hope that a report affording relief to those already doing at their own cost the whole pumping that is at present going on will be made without waiting for the complete details never cessary to settle the best and most economical future arrangements. That this will be done it is fair to infer not only from the character and number of the Commissioners, but also from the wide experience and practical ability of the arbitrators. As to those gentlement, it should be stated that, although acting in perfect concept, here are all three endeavouring to facilitate the complete and speedy carrying out of the Act by dividing the work which devolves upon them mutually. Mr. Dowdswell is conducting the law points, which are numerous enough in connection with an Act almost unique, Mr. WOODHOUSE takes charge of the mines, and Mr. HAWKESLEY the surface. The work is facilitated by convenient offices in Wolverhampton, where all the plans and papers are made and kept, and where the Commissioners hold frequent meetings, alike as aggregate and as individual committees. Respecting the important question of ways and means, it may be pointed out that the money will be raised by a uniform rate in payment of the outlays upon the surface, but that rate must not exceed 1d, per ton upon the minent face, but that rate must not exceed 1d, per ton upon the minent raised. It will at once appear that if the Commissioners have to wait for the raising of all the money in this way operations will be delayed. Hence the money needed to execute the works declared by the arbitrators to be necessary will be borrowed upon the secrity of the rates, which the Commissioners have the power to levy, and the repayment of the money will be borrowed upon the secretic face the mo

#### OUR EXPORTS OF IRON AND STEEL.

OUR EXPORTS OF IRON AND STEEL.

At the present time, when the wages question at our collieries and ironworks is being so warmly discussed, and when in several districts strikes and complications are likely to seriously interfere with trade, it would be well for those interested if they would ponder over the returns just issued by the Board of Trade as to our exports of iron and steel for the last nine months. From a perusal of them it will be evident that the high prices of both the raw and manufactured material during the year so far have given a considerable stimulus to the productions of continental as well as American iron masters. The former, indeed, are actually beating us in our own centres of production, for a quantity of plates has just been delivered in South Staffordshire from Belgium at 13t. 2s. 9d., whilst the English firm that sent in a quotation for them required 19t. 4s., making a difference of 6t. 1s. 6d. per ton. In Sheffield, also, some belgian makers have secured a contract for supplying the iron required inconnection with the erection of a large building. These are facts that cannot be ignored by ironworkers and miners. Returning, however, to the Board of Trade returns, we find that Germany and other continental countries are showing increased activity in the development of their mineral wealth, including ironstone and coal, as well as in their manufactures. In Germany, for some time past, an excellent business has been done in steel goods, so that our Sheffield manufactures complain of having been supplanted by the Germans in sevenl markets in Europe which they formerly had almost to themselves America, too, with her immense resources of coal and ironstone, promises to become one of our most powerful competitors. That country is becoming less and less dependent upon England for both away and manufactured goods.

Of our iron and steel exports railroad iron is about the only article that is well maintained, for railways are found to be essential to the development of the internal resources o

Of our iron and steel exports railroad iron is about the only article that is well maintained, for railways are found to be essential to the development of the internal resources of all nations, and when completed will lead to less manufactures being required from the country. That we are not overstating the matter will be seen from a few figures from the returns. If we take from and steel we find that our exports for the last nine months were 523,263 tons, against 896,635 tons for the same period of 1873. Of the former quantity there was sent to Germany during the first nine months of the last three years 230,311 tons, 209,855 tons, and 112,000 tons respectively. To the United States the decline has been still greater, for whilstin the first three quarters of 1872 there was sent to that country 168,933 tons, for the same period of 1873 the quantity had fallen to 87,958 tons, and this year had still further declined to 32,611 tons; these are recorded facts that are in the highest degree suggestive is these are recorded facts that are in the highest degree suggestive to the future, and cannot be written away by any theory favour to England so long as our workmen refuse to go with the times, a keep the price of our manufactures at a point that will admit of maintaining our manufacturing supremacy. But it is not only pig and puddled iron and steel that there has been a decrease in exports. In pars, angles, and holts our exports during the present pig and puddled iron and steel that there has been a decrease in or exports. In bars, angles, and bolts our exports during the present year were 178,542 tons, against 221,644 tons for the same months of 1873, and 245,513 for those of 1872. The principal defaulters have been Germany and the United States, the latter having only take during the present year 3049 tons, against 53,599 tons for the core sponding months of 1872, and 21,958 tons for the same months of 1873. In hoops, sheets, and boiler-plates there has been a considerable decrease in the quantities exported during the first nine months of 1872, 1873, and 1874 having been 153,311 tons, 156,448 tons, and 115,796 tons respectively. In manufactured steel goods there has been a marked decline, as our Sheffield manufacturers know. To above facts speak for themselves, and require no comment.

#### OUR COAL EXPORTS.

Our coal exports will, it appears probable, again exhibit a large increase this year. Thus, in September we sent abroad 1,389, tons, as compared with 1,134,893 tons in September, 1873, at 1,208,405 tons in September, 1872, while in the first nine months this year our coal exports amounted to 10,310,570 tons, again 9,444,464 tons in the corresponding period of 1873, and 10,097,35 tons in the corresponding period of 1872. The shipments of English coal to Russia have largely increased this year, having amounted Sept. 30, to 802,412 tons, as compared with 565,305 tons in the corresponding period of 1873. Considerable deliveries of English coal were made to Germany in September, and in the nine monthe ending September 30, this year, we sent the Germans 1,544,364. ending September 30, this year, we sent the Germans 1548 tons, against 1,220,251 tons in the first three quarters of 1872 and 1,652,420 tons in the first three quarters of 1872. The graphs of coeff to France had been supported by the control of the coeff to France had been supported by the coeff to France had been supporte ports of coal to France have remained comparatively static 1,779,987 tons in the corresponding nine months of 1873, and 1,671 tons in the corresponding nine months of 1873, and 1,607 tons in the corresponding nine months of 1872. The demand English coal in British India, albeit that it costs somewhere about 1872 per ton, delivered in Bombay, appears to be increasing; that sent our Indian dependencies 447,403 tons of our coal to Sept. this year, our exports in the same direction in the corresponding period of 1873 not having exceeded 353,929 tons. The working Indian native coal, and the increased attention which has been given official quarters to the development maintenance and utilising in official quarters to the development, maintenance, and utilis of the forests of India do not seem, then, to have had any effort the seem of the forest of India do not seem, then, to have had any effort the seem of the s or the lorests of India do not seem, then, to have had any eup present upon the demand—not very considerable, after all—we prevails among Anglo-Indians for the coal of the Mother Count. Assuming that our coal exports move on at the same nither to for the last quarter of this year, they will amount for whole of 1874 to 13,747,426 tons. This total would compare as lows with the exports of the previous 15 years:—

1859 ——Tons 7,082,029 ——Tons 1867 ——Tons 19,858 ——Tons 7,082,029 ——Tons 1869 ——Tons

7,082,029 7,412,575 7,934,832 8,380,673 8,342,500 8,900,872 9,283,214 10,142,260

Should this year's estimate be substantially realised, the expension of upwards of 50 per cent., as compared with 1864. If the sincrease in a similar ratio during the next ten years they will show an all the sincrease in a similar ratio during the next ten years they will be seen to be substantially realised, the sincrease in a similar ratio during the next ten years they will be substantially realised, the similar ratio during the next ten years they will be substantially realised, the similar ratio during the next ten years they will be substantially realised, the substantially realised realised, the substantially realised realised realised, the substantially real

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tain an aggregate of something over 20,000,000 tons in 1884. win an aggregate of sometiming over 20,000,000 tons in 1834. This is a point which will, no doubt, engage the attention of all who recognise the importance of economising, as far as possible, our coal supplies; but whatever opinions and theories may be developed upon the subject, there can be no doubt that the realisation of imupon the subject, there can be no construct that the tendency mediate profits will outweigh every other consideration with the present generation of English coalowners. The present, and nothing but the present, is, indeed, the creed of the materialists of the epoch.

of the preceding 12 months. This easing-off in the price of our coal has, no doubt, had the effect of somewhat increasing the demand for it among our neighbours. Even now, however, they have to pay it among our neighbours. Even now, however pretty smartly for such purchases as they make.

#### CLEE HILL COLLIERY.

We have received several enquiries regarding this company, and the cause of the delay in holding its annual general meeting, and having made enquiries, we are able to give the following explanation, which we think shows a legitimate and satisfactory reason for the postponement of the meeting, which would otherwise have been held some time since. It appears that when the company first com-menced its operations considerable difficulty was experienced in obtaining a good manager. The duties devolving on the manager were somewhat increased and complicated by the discontent which prevailed among the men, owing to long-continued irregularity in the payment of their wages prior to the company's ownership of the collieries. The first two gentlemen who undertook the local management were appointed by the directors in reliance on testimanagement were appointed by the directors in reliance on testimonials which are stated to be unexceptionable. They both during their respective terms of office, however, proved themselves unable to conduct the affairs of the company successfully, and the directors were for a third time obliged to face a task which had already proved so troublesome. Many new collieries having been started, each of which, of course, required a manager, it was found impossible to secure the services of anyone on whom the board could rely. Under these embarrassing circumstances, and at the urgent entreaties of his co-directors, Capt. John Kitto agreed to take the management under his cover superintendence, and this gentleman having considers. inder his own superintendence, and this gentleman having considerunder his own superintendence, and this genteman naving considerable experience in the management of mines, and consummate tact in the control of unruly miners, the arrangement was such as to revive the hopes of all concerned. Capt. Kitto, however, pointed out that the effects of past mismanagement could not be rectified in a day, and that he must have time allowed him to set the company's business on a firm and satisfactory footing. He at once commenced his work, immediately reducing the cost of stores, materials, &c., and judiciously and by degrees lowering the wages. In this way, we are told, the cost of getting the coal has been materially lessened, and it is confidently believed that still further reductions are possible. Diligent operations have also been carried on with a view to opening out new faces of coal, and these have resulted most favourable in the discovery of the hest coal in three naw pits.

ably in the discovery of the best coal in three new pits.

With an increased output from these sources expenses will be further diminished, and we are informed that the only object in delaying the convening of the meeting is that of getting the concern into a thoroughly flourishing condition, so that the report to be laid before the meeting may deal with good work done rather than with promises of possible improvement. As, however, the company's Acts provide that a general meeting should be held once in every year, the meeting of this company must take place before long, and we hope and believe that when the shareholders are called together they will have no reason for complaint on the score of the post-ponement of the meeting, or of the nature of the report submitted

to them. The shares are firm at ½ to 5.

nths onside

Australian Patents.—We have been favoured by the Registrar General of Victoria—Mr. Richard Gibbs—with the indexes for 1872, just issued, and embracing subject matter, alphabetical, chronological, and descriptive indexes, with all necessary drawings. In constructing stamper-shanks, Mr. R. Cockerell, of Yea, makes a worm or screw in that portion of them which is between the guides, and a rod of round iron is placed obliquely across the framing in a line with the thread of the screw or worm, so that when the shank is lifted or permitted to descend it is compelled to rotate by reason of litted or permitted to descend it is compelled to rotate by reason of suchrod. The claims of Messrs. Hunt and Douglass's process, already familiar to the readers of the Mining Journal, are given. A new article of food was proposed by Mr. Tipper, of Hothem, with the not very attractive name of "Tipper's flavoured fat." The superior portions of fat and marrow of the ox are, whilst melted, flavoured with essence of meat, salt, spices, &c., then passed through filters, flannel bags, &c., by means of a hydraulic press, and used as a substitute for butter. There is notice of a patent for Messrs. Holmes and Payton's stone-dressing machinery, and there are several other patents indistance dressing machinery, and there are several other patents indiouter. There is notice of a patent for messis, nother and ray one stone-dressing machinery, and there are several other patents indirectly connected with mining, which we shall hereafter refer to. The indexes are prepared with great care, and the descriptions are ample to permit of the character of the inventions being understood.

Exports of Railway Iron.—The exports of railway iron from the United Kingdom in September exhibited a sharp decline, having amounted in that month to 61,799 tons, against 92,149 tons in September, 1873, and 93,383 tons in September, 1872. The exports presented some increase in September as regards the deliveries made to British America and Australia; but they only amounted as regards the United States to 6923 tons, as compared with 10.642 tons in the United States to 6923 tons, as compared with 10,642 tons in September, 1873, and 37,732 tons in September, 1872. Russia, again, only took 11,196 tons in September, as compared with 29,054 tons and 24,646 tons in September, 1873, and September, 1872, respectively. and 24,646 tons in September, 1873, and September, 1872, respectively. The aggregate exports of railway iron from the United Kingdom to Sept. 30 this year amounted to 637,995 tons, as compared with 591,596 tons in the corresponding period of 1872, and 720,970 tons in the corresponding period of 1872. The United States only figured in this year's total for 85,454 tons, against 151,972 tons in the corresponding period of 1873, and 378,053 tons in the corresponding period of 1872. The value of the railway iron exported in September was 722,140l., as compared with 1,192,825l. in September, 1873, and 1,093,655l. in September, 1872; and in the nine months ending Sept. 30, this year, 8,016,922l., as compared with 7,783,382l. in the corresponding period of 1872.

"SPLINT" AND "CANNEL" COAL.—The Nitshill and Lesmahagow Coal Company applied to the Railway Commission for an injunction to restrain the Caledonian Railway Company from charging the applicants a higher rate per ton per mile than was charged to other collieries in the same district, thereby prejudicially affecting the applicants. The Nitshill Company work only cannel coal, which they ship at the port of Granton to London, Glasgow, and other places, where it is used for gas purposes only. Other proprietors in the Lesmahagow and Wilsontown district, besides ordinary house coal, raise a species of gas coal termed "splint," which, conveyed at a lower rate than cannel, was shown by the evidence to be seriously competing with the latter article. The railway company's contention was that, as cannel was five times the value of splint coal, it "SPLINT" AND "CANNEL" COAL.—The Nitshill and Lesmahagov could not be included in the same category; and, moreover, the haulage than was required for the Wilsontown and other colliery Productions. The Chairman, after reviewing the facts of the case, aid it appeared to the Commissioners that splint and cannel could

not be regarded but as competitive, and there ought not to be any difference in the rates of their carriage. The injuction would, how-ever, provide that due regard should be had to circumstances which a difference in the cost of carriage. The decision would in no way affect house coal.

made a difference in the cost of carriage. The decision would in no way affect house coal.

Colliery Agents Fined for Neglect of Duty.—At Ashbyde-la-Zouch, on Saturday, Mr. Leech, of Derby (instructed by Mr. Evans, Her Majesty's Inspector of Mines), attended in support of six complaints against the defendant for non-compliance with various provisions of the Mines Regulation Act, 1872.—Mr. Dewes appeared for the defence. Mr. Leech stated that the defendant, Mr. Wm. German, was the agent of the Blackfordby Colliery, and as long ago as 1869 the Inspector had felt it his duty to remonstrate with him upon the want of discipline and regularity at the pits. These complaints were repeated in the present year, and by the express authority of Mr. Secretary Cross these proceedings were instituted. The first charge was that the defendant had not caused to be posted up in a conspicuous place at the mine an abstract of the Act, with the special rules. The second complaint was that he had not securely fenced certain portions of the machinery of the mine. The third that he had not kept a report book of the result of examinations of the machinery and other works of the mine at No. 1 pit. The fourth that he had commenced opening a new shaft without giving the Inspector notice within two months of the commencement, and the sixth that he had not kept a report book of the result of examinations of the machinery and other work at No. 2 pit of the mine. In support of the first charge Mr. Leech called William Arthur Henry Stokes, an Inspector of Mines, who stated that he visited the Black fordby Colliery on Sept. 22, and the abstract of the Act and special rules were not posted up at the colliery. Extracts from the old Act, which was repealed, were stack up in the engine-room, but the new Act had not been complied with, and the underviewer admitted the fact when his attention was called to it. Mr. Dewes cross-examined the witness as to his visits to the colliery, and then addresse than 30 persons were employed at a colliery the Act di

Mr. Leech then opened four informations against Capt. Perry, the Mr. Leech then opened four informations against Capt. Perry, the owner of the Plough Plats Colliery at Blackfordby. The first was for not posting up-the abstract and rules; the second for not having a report book containing the result of examinations of the machinery and working; the third for not keeping a register and entering therein the name, &c., of Henry Baker, a boy under the age of thirteen, employed at the pit; and the fourth for not securely fencing the top of an old shaft. Mr. Dewes appeared for the defendant, and said after the magistrates' ruling in the last case, he had advised Capt. Perry to plead guilty to all the charges, and this was done. The Bench fined each defendat 1/. 1s. in each case, or 10/. 10s. in all, exclusive of costs.—Derby Mercury, Oct. 14.

EMMA SILVER MINE.—At the meeting of shareholders held on EMMA SILVER MINE.—At the meeting of shareholders held on Wednesday, in compliance with the request of the holders of more than 10,000 shares (fully reported in the Supplement to this week's Journal), Mr. Hutton, who occupied the chair in the absence of Commissary-General Gardiner, the Chairman of the company, stated, in reference to the first clause of the requisition, that neither he nor his colleagues saw any reason for requesting the resignation of Gen. Gardiner, who is at present in the United States, endeavouring to effect a settlement with the vendor and others. As to the second clause, which was to the effect that no compromise should be concluded with any parties between whom and the company legal products. cluded with any parties between whom and the company legal proceedings are now pending, he expressed himself as entirely agreeing with the requisitionists. With reference to the clause which sought to empower the directors to afford Mr. McDougall the right to use the name of the company, the Chairman declared that such an act being beyond the power of the directors to perform, and therefore illevel he must esting on his legal educate such as the right to use illegal, he must, acting on his legal adviser's opinion, decline to put it. Considerable discussion ensued in regard to this point, but eventually, upon the strong recommendation of the Chairman, Mr. Burnand, and others, it was decided by a majority of the shareholders to adjourn the meeting to that day month, in order to afford suffi-cient time for the return of the Chairman of the company and Mr. cent time for the return of the Chairman of the company and Mr. Snell, it being intimated that the latter gentleman has gathered during his stay in the States an immense amount of valuable information relative to the property of the company. At the termination of this meeting Mr. McDougall endeavoured to constitute another meeting, and though it can hardly be said he succeeded, he went through the form of passing his three resolutions. The proceedings, however, owing to their illegality, must prove void of effect.

#### REPORT FROM CORNWALL.

Oct. 15.—We are much in the same position of expectancy which has now lasted so long. The reduction of the prices of coal and materials, and the improvement in the matter of labour which was noticed last week, have placed many mines on the verge of prosperity, which a really moderate advance in the tin standard would ensure. What, then, are the chances of that advance? At the perity, which a really moderate advance in the tin standard would ensure. What, then, are the chances of that advance? At the Rosewall Hill meeting the other day there were present Mr. Wellington representing Messrs. Bolitho, and Mr. Rouse representing Messrs. Daubuz, and these gentlemen appeared to agree pretty closely that for the time prices will remain very much where they are, and that whatever fluctuations may take place will be confined within very narrow limits. The outlook of a smelter is by no means the same thing as that of a miner, and we should be inclined to take rather a more sanguine view, and, at any rate, to believe that in the forecasts of Messrs. Wellington and Rouse we have what may be considered the worst that lies immediately before us—a continuance of the present status quo. If that be so, it is clear that relief in the case of those mines which are not paying costs, and dividends in the case of those which are, must be looked for in the direction of more economical production. We have very little doubt that in the majority of tin mines black tin could be produced some 5t, per ton, at least, cheaper than it now is, if all the means and motives of economy were in active operation. But this is not a matter for which managers are alone responsible; over and over again has it been seen that adventurers have declined to make a again has it been seen that adventurers have declined to make a small present outlay because the gain may not be immediate, though in the long run certain and great. This arises in part, no doubt from the want of continuous interest, which in these jobbing days is so common among shareholders. Persons who look upon their shares in the light of an investment of a permanent character are more inclined to deal liberally with their property; those whose holding is ephemeral are too often given to treat it as a sponge, to be squeezed dry for them, the next comer taking his chance. Other things being equal, that mine and those shareholders fare best for which and whom the transfer book is seldom opened. It is easy to see what needs to be done to tide mining over the

It is easy to see what needs to be done to tide mining over the present depression; the question is how to do it. Nothing is needed but economy—that economy which is produced alike by a careful guard over the expenditure, as well as by the production of improved results as the consequence of increased skill. Let us avoid as much as possible deficits and calls; small profits, and indeed even balances, will enable any mine to be kept going until the better times, which surely will arrive soon; and if there cannot just now in most cases be good dividends let the effort be, as far as is possible, to dispense with calls.

We are sorry to find that the proceedings at the recent Rosewall Hill and Ransom meeting should have been of such a disorderly character. What is to be gained by such violent squabbles over such incidental and minor matters as the appointment of a surgeon it is difficult to see, but it is easy to discover what may be lost—confidence and esteem. A mine meeting may be a business meeting without being a hear carden.

out being a bear garden.
On Monday last the Okehampton and Lydford section of the South On Monday last the Okehampton and Lydford section of the South-Western Railway, which was made by the Devon and Cornwall Railway Company, was opened for traffic. It is an exceedingly heavy bit of line, skirting Dartmoor all the way, and really abounding in heavy cuttings, long banks, and high viaducts. In itself it will not have much influence upon mineral traffic, but it is part of a scheme which embraces the construction of a railway from Launceston to Bodmin, by Camelford, which would accommodate the North Cornwall slate quarties and open up an important mineral district.

of a death which occurred at the mine under his management. A similar charge has been brought against Mr. P. Skewis, of Florence Consols. Dr. Foster is administering the Act with firmness, but at the same time with consideration.

There has been a rumour aftent that ere long the tin trade will cease to have associated with it one of its best-known names. How far this is true we are not in a position to state, but should it be realised it will make a great change in the current of the traffic. If the rumour be well founded we shall soon hear more of it, but the retirement will be a matter for regret.

P.S.—The intelligence that the standard has to-day been advanced 2l., received since this letter was commenced, seems to bear out our view of the case, rather than that expressed at the Rosewall meeting. It is somewhat curious, at any rate, that within so very few days after we have been told that there is little to expect that matters should commence to take a change for the better.

#### REPORT FROM SCOTLAND.

Oct. 13.—Since the date of our last report the Warrant Market has been dull, with a downward tendency. From Wednesday to Friday the price ranged from 88s. to 86s. 3d., closing for the week at the lower price. On Monday there was more eagerness to sell, and transactions took place from 85s. to 83s. 9d. Yesterday the market opened with a dull tone about 83s. 6d., but subsequently improved to 84s. 6d., and receded again to 83s. 6d., closing wit sellers at that price. To-day there was little change in prices, 83s. 6d. to 84s. paid, closing at the best. Makers' iron is now becoming a little more plentiful, and the undernoted prices show reduction as compared with last week.

No. 1. No. 3.

d	uction as compared with	last week.	No.	1.		No.	8.
	G.m.b. at Glasgow (deliver	able alongside)	928	. 6d	l	80s.	Od.
	Gartsherrie ditto	ditto	110	0	******		
	Coltness ditto	ditto	110			83	6
	Summerlee ditto	ditto	105	0		83	6
	Carnbroe ditto	ditto		0			6
	Monkland ditto	ditto	93	6	*****	83	6
	Clyde ditto	ditto	92	6			6
	Govan, at Broomielaw		92	6		82	6
	Langloan, at Port Dundas	ditto	110	0		85	0
		ditto	112	6		84	0
	Glengarnock, at Ardrossan	ditto	100	0		84	0
	Eglinton ditto	ditto	90	0	*****	80	0
	Dalmellington ditto Carron, at Grangemouth, s	ditto	90	0	*****	80	0
	Carron, at Grangemouth, s	elected, ditto	105	0			
	Shotts, at Leith Kinneil, at Boness	ditto	110	0			
	Kinneil, at Boness	ditto	97	6		80	0
	Bar iron	***************************************	£1	0	0		
	Nail rods	*******************	1	0	0	_	
		SHIPMENTS.					
	Week ending Oct. 11, 1873	****************			Fons	15,49	12
	Week ending Oct. 10, 1874	***************				10,0	37
	_						-
	Decrease		**********			5,18	55
_	Total decrease since Dec. 25	, 1873			1	51,18	32
L	nports of Middlesborough pig	z-iron into Grai	igemouth:-	-			
	For the week ending Oct. 1	0, 1874			Cons	2,99	
	For the week ending Oct. 1	1, 1873				1,20	)5
	Inches					1 70	-
	Increase						
	Total increase for 1874		*************	*****		10,01	TO THE

The prices of Pig-Iron keep easier, with a continued decrease in the shipments, and an increase in the furnaces to 117. The autumn shipments are drawing to a close, so that there is no great chance of a rally in prices unless there is some unusual development of the trade. The shipments of Manufactured Iron during the week from the Clyde were both numerous and varied, and the works are still employed on the same descriptions of iron. The reduction in pud-dler's and millmen's wages, noticed last week, have been acquiesced in, with the exception of Rochsolloch, where the men have gone on in, with the exception of Rochsolloch, where the men have gone on strike, well knowing their employers were engaged on time orders which could not stand over. They are still out. The trade for the remainder of the year is expected to be very limited, from anything that can be learnt in the meantime, but still makers are hopeful. The domestic demand for Coals is improving, and prices for best descriptions are well maintained, but for shipping qualities the demand is quieter, unless for immediate delivery. From the Scotch ports 58,802 tons were shipped last week, against 33,233 tons in the same week last year.

same week last year.

There are movements amongst the miners for an advance of wages

in one or two districts, and measures are to be taken to press their claim for an advance of 1s. per day, but what these are is not stated. The masters, being consulted, have informed their men that they can

The masters, being consulted, have informed their men that they can give no advance till a rise takes place in the price of coals.

At the West of Scotland Association of Gas Managers an interesting paper was read on the Absorption of the Illuminating Constituents in Coal Gas by the Heavy Hydrocarbons, by Mr. Wm. Young, Palsley. In this paper some entirely new and important problems in gas making were introduced, which gave risc to some discussion, in which Mr. Wm. Key (the late president) chiefly took part. A paper was also read on Retort Setting, by Mr. Henry Walker, Saltcoats. Other business having been disposed of, the members of the association adjourned to Musselburgh Gasworks, where they were shown the new patent system of carbonising coal, invented by Messrs. Young and Scott.

CONVICTION UNDER THE MINES REGULATION ACT .- A case (the CONVICTION UNDER THE MINES KEGULATION ACT.—A case (the first in the county of Limilithgow since the passing of the Act) was tried at the Sheriff's Court, Whithurn, on Wednesday. George Simpson, manager of the Benhar Collieries, it was alleged, had failed to comply with the provisions of the Act—first, by neglecting to provide an adequate ventilation in No.3 pit; and secondly, by allowing an entrance to a part of the said pit not in werking to remain improperly fenced. Mr. Ralph Moore, Government Inspector of Mines, prosecuted. Mr. Simpson pleaded not guilty, but the sheriff, finding the second charge proved, fined defendant 10/. Notice was given of an appeal.

#### THE SCOTCH MINING SHARE MARKET-WEEKLY REPORT AND LIST OF PRICES.

Since my last report there has been a very marked decrease in the amount of business done in the market, and prices are generally lower, but in most cases only slightly. An advance in prices is, how-ever, not improbable, as the tone is now much steadier than it was at the beginning of the week. Notwithstanding the Bank rate having been advanced I per cent. to-day (now 4), Americans have shown great depression from sundry causes—rumours of the Emma being to be wound up, disorderly meetings, &c. In miscellaneous the only movement of importance is an advance in Conglog Slate and Slab shares to 10\frac{3}{4} on a good demand for the shares, which, it is said, will soon be scarce. A detailed list of the several days' business follows:

Thursday last, as stated at the close of my last week's list, the On Thursday last, as stated at the close of my last week's list, the market became that, and the business done was nearly at lower prices all round. Arniston still offered at par; Benhar firmer, done at 15, closing 15 to 15%. Bolckow Yaughan, A, also firmer at 35 to 55%; Canadian Copper Pyrities done at 51s. 3d. down to 48s. 6d., closing 48s. to 49s. Ebbw Vale duil at 22% to 23. Emma done at 25s. 6d. and 26s., closing 26s. to 27s. In Flagstaff a large business was done at 2½, 29-16ths, and 2½, closing 29s. to 2½. In Flagstaff a large business was done at 2½, 29-16ths, and 2½, closing 29s. to 2½. In Flagstaff a large business prought in large sellers, done at 32s. and 39s., closing 29s. 6d. to 30s. 6d. Port Washington shares weak at 61s. 6d. to 65s. Huntington shares flat, done at 68s., then 68s., closing 65s. 6d. to 68s. 6d. Lochore and Capledrae done at 8, closing 54s. 6d. to 68s. 6d. Lochore and Capledrae done at 8, closing 54s. 6d. Monkiand ordinary done at 100s. and 99s., closing 98s. to 99s. Guaranteed Preference better, done at 8%, with buyers oversellers asking 3½. Niddrie firm, done at 50s. 6d., closing 59s. 6d. to 51s. Omoa and Cleland done at 65s., closing 65s. to 66s. Tharsis done at 7% and 27%, closing 27% to 21%. New shares done at 19, closing 19 to 19%. Young's Parafin shares better at 5% to 5%. Scottish Wagon shares changed hands at 12, and Yorke Peninsula shares at 9s. 9d. United States Rolling Stock ½ lower, at 13% to 13%.

at 13, and Yorke Peninsula shares at 9s. 9d. United States Rolling Stock ½ lower, at 13½ to 13½.

On Friday the market opened better, and was even strong, but became flat again, and remained so to the close. American shares particularly depressed on a statement that the Emma is to be wound up at once. Benhar, 15 1-16th to 15½. Bolekow Yaughan, A, done at 55½. Canadian Copper Pyrites done at 59s., closing 9s. 6d. to 59s. Ebbw Yale done at 23, closing 23½ to 23. Emma done at 25s. 6d. and 25s., closing extremely flat at 15s. to 20s. Flagstaff done at 29½, closing 2 to 29½. Glasgow Caradon opened good, and were done at 31s. 6d. and 23s., but went flat again in sympathy with the others, and close 30s. to 31s. Huntington done at 69s., closing 65s. to 69s. Javali, 4s. 9d. to 5s. 3d. Last Chance done at 15s., closing 15s. to 20s. Lochore and Capiedrae done at 84½ and 3, closing 75 to 81-16th. Marbella done at 5%, closing 55 to 5½. Merry and Caminghame opened at 74s., but gradually declined, and close 70s. 6d. to 71s. Monkland ordinary done at 91s. and 98s., closing 97s. 6d. to 98s. 6d. Niddrie firm, and 19s. and 98s., closing 97s. 6d. to 98s. 6d. Niddrie firm, and 19s. and 19s. and 25s. Chancing 19 to 19½. Young's Paraffin, unchanged at 5 5-16ths to 5 7-16ths.

On Saturday a fair amount of business was done, and prices were generally steady. Benhars done at 15and 15 1.16th, closing 15 to 15½. Bolekow Yaughan, A shares firm, done at 55½, closing 55½ to 55½. Canadian Copper Pyrites done at 51s., then 50s., afterwards improving to 51s. and 51s. dci., closing, control of the firm of the

lower, at 1% to 2. Glasgow Caradon lower, at 29s. 6d., closing 29s. to 30s. It is announced that the next sale of ore is computed to be 245 tons, which will be sold on the 22d inst.; this will likely not be considered very favourable, as it compares with a very large sale at this time last year—30s tons—and the price realised will probably not be much higher per ton. Port Washingtons done at 62s. 6d., closing 69s. to 67s. Islay 62s. to 63s. Huntington done at 66s. and 66s. 6d., closing 69s. to 67s. Islay 62s. to 63s. Huntington done at 68s. and 66s. 6d., closing 69s. to 67s. Islay 63s. Javali unchanged, at 4s. 9d. to 5s. 3d. Lust Chance, 17s. 6d. to 20s. Lochore and Capledrae done at 8. Marbella done at 5½ 60s. Merry and Cuninghame done at 71s. and 76s. 6d., but close better, at 71s. to 71s. 6d. Monkland ordinary done at 96s. closing 95s. to 90s. Niddire done at 51s. to 51s. 6d., and 52s., closing 51s. to 52s. Panul-cillo ½ lower, at 29s., and Rio Tinto ¾ lower, at 8½. Scottish Australian steady, at 1½ to 1½. Tharsis closed 27½ to 27½; new shares lower, at 18 15.16ths to 19. U.S. Rolling Stock again ½ lower, at 12½ to 13½, in sympathy with the depression in Erle and Atlantic securities.

On Monday, being contango day, little business was done, and

100. St., to the st., Nichtrie done at 51s. to 51s. 64., and 52s., closing 51s. to 52s. Fanus 100. St., to 15s. Tharsis closed 27% to 27%; now shares lower, at 18 15-18ths to 19 U. S. Rolling Stock again ½ lower, at 12% to 13%, in sympathy with the depression in Erle and Atlantic securities.

On Monday, being contango day, little business was done, and prices were generally lower. Benhar, 15 to 15%; an odd lot of Bolckow, Vaughan, A., changed hands at 55. Canadian Copper Pyrites done at 52s. 6d., closing 52s. to 53; Chillington Iron ag in ½ lower, at 55½ to 5½; Conglog Slate and Slab are being enquired for, and have advanced to 10½ to 11; Emma done at 20s. and 17s. 6d., closing 17s. to 18s.; Flagstaff offered at 1%, but no buyers; Olasgow Caradon done at 29s., closing 29s. to 30s.; Huntington better, at 67s. and 67s. 6d.; Sewallers to wanted at 4s. 6d., sellers at 5s.; Lost Chance advanced in a 4s. 6d., sellers at 5s.; Lost Chance advanced in a 4s. 6d., sellers at 5s.; Lost Chance advanced in a 4s. 6d., sellers at 5s.; Lost Chance advanced in a 4s. 6d., sellers at 5s.; Lost Chance advanced in a 6s. 6d., sellers at 5s.; Lost Chance advanced in a 6s. 6d., sellers at 5s.; Lost Chance advanced in a 6s. 6d., sellers at 5s. 6d., olosing 72s. do 15s. 6d., follosing 72s. do 15s. do 15s

profits	may	y fairly	y be	expected. Subjoined will be found the latest prices :	-
A smoon		Amon	-	COAL, IRON, STEEL.	Latest
				Name.	price.
				Arniston Coal (Limited)	4
				Benhar Coal (Limited)	15
		41.00		Bolckow, Vaughan, and Co. (Limited)A.	55%
				Cairntable Gas Coal (Limited)	1118.
				Chillington Iron (Limited)	4
		29		Ebbw Vale Steel, Iron, and Coal (Limited)	223/4
10		3		Fife Coal (Limited)	514
10	***	6	***	Glasgow Port Washington Iron and Coal (Limited).	62s, 6d.
10	***	10	***	Ditto All paid	6
10	912	10		Lochore and Capledrae (Limited)	75%
10		10		Marbella Iron Ore (Limited)	5 7-16
	***	3	1/2	Merry and Cuninghame (Limited)	
	***	10		Ditto All paid	
			4.04	Monkland Iron and Coal (Limited)	
	***		***	Ditto 7 per cent. Guaranteed Preference.	
	***		***	Nant-y-Glo and Blaina Ironworks pret. (Limites)	
	***			Niddrie Coal (Limited)	850
	1.04			Omoa and Cletand Iron and Coal (Limited)	
	Salare   Paid-up.   Paid   P				
10		4		Ditto New, issued at 2% premium	0
				COPPER, LEAD, SULPHUR, TIN.	
10		7		Canadian Copper Pyrites (Limited)	51a.
				Ditto All paid	614
				Cape Copper (Limited)	27
				Drake Walls Tin and Copper	
				Dunsley Wheal Phoenix Tip (Limited)	15s.
pierra					25
1				Glasgow Caradon Copper Mining (Limited)	
		15s.		Ditto New	22s. 3d.
10		9	***	Huntington Copper and Sulphur (Limited)	698.
1		1		Islay Lead (Limited)	20s.
25s.		23s.		Kapunda Copper (Limited)	34
4	444	4	100	Panulcillo Copper Mining (Limited)	
	***		4.4.4	Rio Tinto (Limited)	
10	**		***	Russian Copper Mining (Limited)	21/4
	***		***	Scottish Australian Mining (Limited)	136
				Ditto New	- 26
				Tharsis Copper and Sulphur (Limited)	27
				Ditto New	F (1. A.M.
1		58.		Ditto 15 per cent. Guaranteed Preference	34
				GOLD, SILVER.	
20		20		Emma Silver Mining (Limited)	20a.
			***	Flagstaff Silver Mining (Limited)	17%
				Javali Gold Mine (Limited)	34
			***	Last Chance Silver Mining (Limited)	20s. 3d.
10		-		Dalmany Oil (Limited)	8.74
			***	Midlothian Mineral Oil (Limited)	3
		8			4
			4	Young's Paraffin Light and Mineral Oll (Limited)	5 5-16
10	010	0/1	3		
					103/4
				Highland Peat Fuel (Limited)	10
	***			London & Glasgow Engineering & Iron Shipbuilding	25
		734		Peruvian Nitrate (Limited)	
	***	10	1	Scottish Wagon Company (Limited)	
			***		
20					13
		Last	day	for this account Oct. 27; settling day, Oct. 30.	
Nore	-T	he abo	ve l	ist of mines and auxiliary associations is as full as	can be

Note.—The above list of mines and auxiliary associations is as full as can be ascertained, Scotch companies only being inserted, or these in which Scotch investors are interested. In the event of any being omitted, and parties desiring a quotation for them and such information as can be ascertained from time to time to be inserted in this list, they will be good enough to communicate the name of the company with any other particulars as full as possible.

J. GRANT MACLEAN, Stock and Share Broker. Post Office Buildings, Stirling, Oct. 15.

#### REPORT FROM DERBYSHIRE AND YORKSHIRE.

Oct. 15 .- The Iron Trade in both Derbyshire and Yorkshire has undergone but little change during the past week. There has been undergone but little change during the past week. There has been no falling-off in the production of pig at the works to the north of Chesterfield, or on the Erewash Valley line, whilst the mills and foundries have been kept very well going. The foundries at Staveley are working very well indeed, being busily engaged in the production of pipes and other specialities for which the company has long been noted. The staple trades of Sheffield are very much as they have been for some time but there is rather more delimin for duction of pipes and other specialities for which the company has long been noted. The staple trades of Sheffield are very much as they have been for some time, but there is rather more doing in fine cutlery and plated ware for home consumption, as is usually the case before Christmas. There has for some time past been considerable activity at the malleable ironworks situate at Kelham, belonging to the Messrs. Crowley and Son, who manufacture a variety of goods that equal in every respect both for cheapness and finish the best pro luctions in steel. The coal trade is good for the "cason, and a large tonnage of steam qualities is being sent to Hell and

Grimsby for shipment to the North of Europe, as well as to France Prices have undergone but little change. There has been considerable improvement in the demand for London during the past month, but taking the first nine months of the year there has been a most decided falling-off, as compared with the same period of last year. This will be seen from a review of the tonnage sent from Yorkshire and Derbyshire for the first three-quarters of 1873 and 1874.

CONVICTION OF A COLLIERY MANAGER AND DEPUTIES FOR NE CONVICTION OF A COLLIERY MANAGER AND DEPUTES FOR ME-GLECT.—On Monday a case of considerable importance to colliery owners was brought before the Dewsbury Bench of Magistrates by Mr. Frank Wardell, her Majesty's Inspector of Mines for Yorkshire. He summoned William Haigh, the manager of the Gawthorpe Col-liery, near Ossett, for violation of the 1st General Rule, which re-quires that an adequate amount of ventilation shall be constantly produced in every mine so as to dilute and render hamiless noxious produced in every mine, so as to dilute and render harmless noxious gases, so that all places shall be in a fit state for working and passing. It appeared that owing to the want of sufficient ventilatiou an explosion took place at the colliery in August, by which one man was killed, and since that time very little attention to ensure the safety of the men had been made. The facts were fully admitted by their who placed guilty and was fined 5/ with costs in deby Haigh, who pleaded guilty, and was fined 5*l.*, with costs, in de-fault two months' imprisonment. A deputy named John Oates was also summoned for violation of the 6th General Rule, which requires that where gas has been found in any part of a mine the men work-ing there shall be withdrawn, and a report of the same shall be re-corded in a book kept for the purpose. Isaac Oates, another deputy, corded in a book kept for the purpose. Isaac Oates, another deputy was also charged with a violation of the 13th and 14th Special was also charged with a violation of the 13th and 14th Special Rules, by not placing danger signals where gas had been found. The charges were fully proved by Mr. Wardell, and both defendants pleaded guilty. John Oates was fined 2l. and costs, or two months' imprisonment; and Isaac Oates 3l. and costs, or three months' imprisonment

#### REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

Oct. 15.-The Iron Trade of South Staffordshire is a degree more active than we have recently been able to describe, and most of the leading firms have their order-books tolerably well filled. The market for common and medium class pigs is decidedly stronger, market for common and mendam class pigs is decidedly stronger, and prices have improved 2s, 6d, to 5s, per ton. Best all-mine are quoted 5l, 5s, to 5l, 10s, per ton for hot-air, but a fair quality pig may be had at 5l. Shropshire cold-blast pig is in steady demand, and firm at the quoted rate. Additional blast-furnaces continue to be re-lighted in various parts of the district, the total number now blowing being 72. Messrs. M. and W. Grazebrook, of Netherton, will have another in blast very shortly. The finished iron makers will have another in blast very shortly. The finished iron makers are receiving a fair number of orders for sheets, plates, rods, and strips. The standard of 11% for bars is well maintained by Messrs. Barrows, Bradley, Thorneycroft, Williams, and Bagnall, the British Iron Company, and other leading firms. Earl Dudley's price is, as usual, 12s, 6d. extra. Common bars are selling at 9l. 15s, to 10l.; some transactions have taken place as low as 9l. 10s, per ton. Hoops range from 12l. to 12l. 10s., and gas strip from 10l. to 10l. 10s, per ton. The range of prices between best and common iron is much smaller than usual, both in the pig and finished departments of the trade, an obvious result of the comparatively great cost of production. The Coal Trade of South Staffordshire is improving steadily, though

somewhat slowly. Earl Dudley and other leading firms in the thick-coal district are realising full list rates, but on the part of some of the smaller coalmasters underselling is still reported to the extent of 1s, 6d. to 2s, per ton. The demand for thin coal around Wil-lenhall and Darlaston is only quiet, and the competition for orders

causes some irregularity in prices to prevail.

The Homer Hill Collieries, at Cradley, near Stourbridge, hitherto worked by Messrs. Swindells, have been acquired by the promoters of a new joint-stock company, to be called the Homer Hill Colliery of a new joint-stock company, to be called the Homer Hill Colliery Company (Limited). The capital is fixed at 100,000\(lambda\_i\), in 10\(lambda\_i\), shares. The estate contains valuable seams of thick, brooch, and heathen coal, ironstone, and fire-clay. The plant is capable of raising 4000 tons of minerals per week, but it is proposed to increase the available output very considerably.

Prominent attention is being given to the fact that some large flitch-plates, required by Messrs. Perry and Son, of Highfield Foundry, Bilston, have been obtained from Belgium at 6\(lambda\_i\) per ton under the lowest English quotation. When a few simple facts are considered there is nothing in the circumstance to excite either surprise or an-

there is nothing in the circumstance to excite either surprise or apprehension. The plates referred to were of extraordinary dimensions, and were required to carry the roof of a new machine shop. sions, and were required to carry the roof of a new machine shop. Such plates are very rarely asked for in England, and our works are not adapted for their production, but continental architects are constantly including them in their specifications, and the demand both in Belgium and France is sufficient to justify the adaptation of works for that class of work. Seeing that only four plates were required in this instance, it is not surprising that English makers should ask a price sufficient to repay them for the extra trouble and disarrangement of their works which the execution of such an order would have involved. It should be added that the Belgian plates, although suited to the present purpose of Messrs, Perry, are of inferior quality.

suited to the present purpose of Messrs, Perry, are of inferior quality. The tendency of the local stock and share market is easier. Sandwell Park Colliery (10t.) shares are 53; Cannock and Huntington, \( \frac{1}{2} \) dis.; John Bagnall and Sons (Limited), 7t.; Chillington Iron, 6\frac{1}{2}; Patent Shaft, 5\frac{1}{2} \) prem.; Pelsall Coal and Iron, 3 to 2 dis.; Ivy House and Northwood Collierp, 1\frac{1}{2} \) dis.

The Earl of Dartmouth, Viscount Lewisham, and a distinguished contractive of the c

party visited the Sandwell Park Colliery last week, and inspected the workings and plant with great minuteness. Mr. Henry Johnson conducted the party, who expressed themselves well pleased with

all they had seen.

The North Staffordshire Iron Trade is quiet, buyers holding back.

The North Staffordshire Iron Trade is quiet, buyers holding back. orders to see the effect of the movement in the south part of the county on prices. At present there is no indication of a change in quotations here. Crown bars are 9l. 15s. to 10l. per ton. The finished ironworks are for the present in steady operation.

#### REPORT FROM MONMOUTH AND SOUTH WALES.

Oct. 15.—Advices in regard to the Iron Trade are still much of the same discouraging nature. New orders are coming to hand but slowly, and the week has been, like several preceding ones, very quiet. It is hardly necessary to state the cause of this quietude, as it would only be—to an extent, at least—a repetition of what has been said in previous reports. Prices are still the principal difficulty. Buyers seem to cling tenaciously to the belief that prices must further recede, notwithstanding that manufacturers eem to have as much as they can do to turn out finished iron at seem to have as much as they can do to turn out minimed from at the quotations now current, and there is little prospect of the cost of manufacture being less than at present, or at least to such an extent as to enable makers to sell their iron at appreciably lower prices than they do now. It is difficult, therefore, to perceive upon what ground purchasers base their expectations; and there is one thing a little consoling, however—that finished-iron masters take things as they come without a great deal of grumbling, and they things as they come without a great deal of grumbling, and still think that there are better times for them a little ahead. exports of iron have been small during the past week. The total quantity of iron cleared to the foreign markets from this district was 18,272 tons, of which Cardiff exported 7105 tons; Newport,

8765 tons; and Swansea, 2402 tons.

The disputes at the Landore Steelworks continue, and the only present prospect of a settlement is by the masters giving in to the

coal shipments coastwise were as follow:—Cardiff, 68,539 tons, against 83,813 tons in September, 1873; Newport, 56,425 tons, against 76,091 tons; Swansea, 26,802 tons, against 27,103 tons; and Lianelly 9120 tons, against 15,994 tons. Cardiff also exported 10,266 tons of patent fuel, and Swansea 18,316 tons.

Richards and Company, referred to last week, has been very successful, and the allotment is fixed for next Tuesday. Intending subscribers will be entitled to have their applications considered up to that day. The current profits are equal to more than 25 per cent. dividend.

#### BLASTING EXPERIMENTS IN NORTH WALES.

BLASTING EXPERIMENTS IN NORTH WALES.

A series of highly interesting experiments with a new explosive for blasting purposes took place at the little town of Minera, near Wrexham, on Wednesday, and the importance attached to the event was evidenced by the fact that nearly 500 civil engineers and other interested in mining operations were present. The new powder, which has not yet been patented, is the invention of Messrs, Curtis and Harvey, the well-known gunpowder manufacturers, and among the special advantages claimed for it are that its explosive force is exceptionally and the special advantages claimed for it are that its explosive force is exceptionally as aft for use as ordinary powder in jurious gas; and that it is quite as aft for use as ordinary powders of the special and the second of the secon

#### REPORT FROM LANCASHIRE AND CHESHIRE.

Oct. 15.-The great event of the week in connection with the strike at the West Lancashire collieries has transpired at Birming ham at the Conference of the Amalgamated Association of Miners ham at the Conference of the Amalgamated Association of Miners. The delegates there assembled having complimented Messrs, Halliday and Pickard on the course they had taken in dealing with the strike, and the Conference having also passed a resolution, which amounted to a severe vote of censure on the men in the Wigan and St. Helen's districts, the representatives of those districts were withdrawn from the Conference by order of their respective committees. The Wigan district founded the Amalgamated Association. The Lancashire miners provided the funds whereby its agents were enabled to promulgate its doctrines throughout the length and breadth of the land. Its leaders are Lancashire men. At one time nearly all Lancashire miners owed fealty to them. The orders of the executive committee were law, and were implicitly obeyed throughout the coal fields of the county. Now a few thousand members constitute the whole strength of the Association in Lancashire. Burnley district was taken up by reason of the strike there; and concerning the Wigan and St. Helen's districts, although no public announcement of their severance from the amalgamation has public announcement of their severance from the amalgamation has been made, we have every reason to believe they are now no longer connected with the Association, whose whole strength in the county,

connected with the Association, whose whole strength in the county, therefore, must now be concentrated in the south-eastern district to which Mr. Halliday himself belongs.

Leaving for the moment the question in dispute between the Association and the Lancashire men, it will be interesting to equire how far their purposes have been served by the Association, which has hitherto had their hearty support. The scheme of the amalgamation was a bold one. There had been many associations of miners in the kingdom. The one presided over by Mr. Macdonald claimed to be a "National" institution, and at one time had in its membership nearly every important mining district in the United Kingdom. But it was contended that it was not sufficiently comprehensive, and that in one most important respect it failed as a prehensive, and that in one most important respect it failed as a trades union, inasmuch as it had no machinery for dealing by means of a central authority with the wages question in the several districts. This defect the Amalgamated Association was to remely Under its wings were to be gathered miners of every locality, and in the district was to be represented at half-yearly conferences, and in the periods between the conferences an executive committee was to sit without whose authority no district should strike. When is authority was obtained levies were to be imposed on the other dis-

tricts, the men on strike were to be imposed on the other de-the rate of wages was thus to be maintained.

In theory the scheme was excellent; in practice has it succeeded.

The great South Wales strike was the first struggle in which it had be contained, in that fight the leaving the production of the succeeded. The great South Wates strike was the first struggle in which to contend; in that fight the levies were maintained wonderfully well; all the districts contributed readily, and a marvellously large sum of money was raised. Brisk trade followed, and, save in one or two instances, the association had no strikes on its hands. The large transfer is the large of the part print this is transfer to the part print. its work well, and at a very cheap rate, bringing to bear upo the employers in the various districts very great pres doubt, obtained for its members in some instances material advantages. At this time the levies to the strikes fund were low, and the cessarily the one with the most righteous cause, but the one that cessarily the one with the most righteous cause, but the one questruck first. With one great strike on hand the association was help less in the other districts, and it was unreasonable to expect this men would continue to support their neighbours when, at the suctime, they were themselves called upon to submit to reduction. They grew restive; they have grown unmanageable: the Wigan mentage are the support of the executive committee, and have struck without the sanction of the executive committee, we by the time this letter reaches your readers may confidently be sumed to have withdrawn from the association, whose strength 100,000. not now 50,000, while six months ago it was over 100,000.

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#### HOLIDAYS AND TRADE RULES AT COLLIERIES AND IRONWORKS.

IRONWORKS.

The time has come for seriously considering what shall be done upon the subject of holidays in collieries and ironworks, and in workshops—indeed for the working classes generally. The employer of labour suffers a diminution of production from short time; and he complains, and justly complains, that notwithstanding this, production is further diminished by the disposition to keep holiday on the Monday, to keep it at the races, at the fair—in short, at every local festival which may happen in the course of the year; and all this in addition to the recognised holidays of Christmas, Easter, and Whitsuntide. We do not say that the men are entirely to blame, for the fact of this taking holiday whenever they please has become systematic. There is another very important side to the question. When from any cause it has answered the master's purpose to give the men a holiday, either because he has been short of materials—it may be of fuel—or, what is worse, when he has been short of orders, he has been in the habit of giving that holiday. Now, according to law, a man cannot take, nor can a master give, a holiday. There is a natural reciprocal obligation on the part of employer and employed—on the part of the first to find his man work during the regular working hours of every working day in the week; and on the part of the man to render honest service throughout those hours—it may be nine, or it may be eight, or any other number of hours per day, in the week of a heliday for the local transcription. of the man to render nonest service throughout those hours—it may be eight, or any other number of hours per day, It is quite different in the case of a holiday for the local "races," "wakes," and "fairs," of which we read so much. These are not so general as to become by implication of law part of the trade bargain; and races or no races, wake or no wake, fair or no fair, if a man goes work the master must pay him his wages whether he find him yment or not.

to work the master must pay him his wages whether he find him employment or not.

So far as the question of wakes, fairs, and ordinary local idlings are concerned, the question is simple enough, notwithstanding that it causes very great irritation to the master when trade is good, and to the steady workman when trade is bad. In the collieries in some districts this irregularity of work has grown to be such an abuse that for their own security employers are obliged to engage men in excess of the number that would be otherwise requisite to carry on the pit. If five men are under these circumstances hired for four stalls, then it is clear that if all five should present themselves at once one of them must be without work; and where the butty system prevails it is not likely that a cousin or a brother-in-law will be the one rejected. Although this bad system has gone on for years, and has been occasionally commented upon in these columns, the blot was never palpably hit until last Whitsuntide, when a notice was stuck up at one of the ironworks in the North of England on the Thursday before the Whit week to say that unless a majority of the men intimated on the Friday that they were willing to work at Whitsuntide the works would be closed during the Whit week. The men who offered themselves to work on Whitsun Monday and during the week laid a plaint in the County Court against their masters to recover their full wages; and Mr. TURNER, the County Court judge of the North of England iron district, who is a very accomplished lawyer, and a son of the late Vice-Chancellor TURNER, decided, and no doubt properly decided, that the men were entitled to recover their money. This made, as might be expected, great confusion in the whole North of England iron trade, and it forced upon both masters and men the consideration of Trade Rules. They had often been advised to adopt this system of rules.

TURNER, decided, and no doubt properly decided, that the men were entitled to recover their money. This made, as might be expected, great confusion in the whole North of England iron trade, and it forced upon both masters and men the consideration of Trade Rules. They had often been advised to adopt this system of rules, as early nearly as the first establishment of the arbitration board Mr. RUPERT KETTLE urged upon them to have trade rules, so that there should be no muddling of rights, and that steady men should not suffer for the idlers, whilst masters, on their part, should know what quantity of fuel and raw materials they had to prepare, and what men they might depend upon to go to work.

However, the system was not then unendurable—the blot had not been hit—but when Mr. Judge TURNER's verdict was given the men were not unwilling to take advantage of it when it told against themselves by bringing actions in the County Court. When it told against the masters, the masters, on the contrary, were not willing to bring men up under the Masters and Servants Act, and thereby deprive themselves of the services of a valuable man who raused to pay the fine, but rather submitted to—well, so far as the master was concerned—being withdrawn from his work for 14 or 21 days. The Darlington Iron Company's men were divided in opinion; some were for working at Whitsuntide, and some for not working, and the notice was posted that the works would be closed during the Whitsun week. And those who were willing to work, instead of going to tender themselves to work, went on the Monday and demanded their wages, and to be discharged, as being refused work—in other words, dismissed without their customary fortnight's notice. Their money was not paid on the Monday, and on the Wednesday another demand was made that the Darlington Company did. Upon this numerous actions—perhaps 40—were brought for damages by breach of contract against the company in not giving the 14 days' notice.

In doing this the men overlooked another important princ

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The settlement of trade rules was the main business which recently took Mr. RUPERT KETTLE down to the Arbitration Board. It appears they had agreed upon every other rule except the one that provided for this troublesome matter, and one to which we do not purpose to refer this week. Before going into the question of rules, Mr. KETTLE had to determine what was to be done in the pending dispute at the Darlington Ironworks. The men had agreed to withdraw the summonses, and refer to Mr. KETTLE as to what should be done. There was no difficulty about this. He had to point out to them the simple provision of the law, which informed them that when they took their money on the Wednesday it meant payment and satisfaction under the contract, and that they had no further claim legally. We cannot see that they had any claim morally, for they had a tacti understanding as to holidays, including Whitsuntide. Of course, Mr. Judge Turner would not recognise this tacit understanding; it was not sufficient in law to enable him to abrogate the great fundamental principle that the law jealously guards the man's abour, and that when he hires himself he subjects himself to pains there is the legal and moral obligation on the part of the master to find him work. We assert, therefore, that the men had no claim morally. As to the rules, the framing of them has been left to Mr. KETTLE entirely and unconditionally, and we are sure that that gendeman will bring to bear upon them both his legal knowledge and The settlement of trade rules was the main business which recently morally. As to the rules, the framing of them has been left to Mr. Kettle entirely and unconditionally, and we are sure that that gendeman will bring to bear upon them both his legal knowledge and likewise his experience in the framing of rules for the regulation of the building trades, which adjust their difficulties by his system of abitration, and that their practical character will be increased by his intimate knowledge of the iron industry. Too much importance cannot be attached to, too much trouble cannot be given to, the work, because if a good code of rules can be established in the North of came if a good code of rules can be established in the North of gland the same code, with certain variations, may be taken, must mutualis, as precedents for other ironmaking districts. We trust Mr. RUPERT KETTLE, when he has brought the rules into a taniform, will allow both masters and men the most ample opported to think them out practically, and see what would be the both orm, will allow both masters and men the most ample opportunity to think them out practically, and see what would be the effect of every letter therein; and that he will listen to every suggestion offered in good faith, with the intention of making the rules more workable, and free from even the possibility of misapprehension on either side. When he has done this he will have done a great work for both masters and man.

fork for both masters and men.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the PERRAN CONSOLS MINING COMPANY.—ALL CREDITORS or CLAIMANTS of the ABOVE-NAMED COMPANY who have not received notice from the Official Liquidator thereof that their claims have been already admitted, are hereby REQUIRED to COME IN and PROVE their several DEBTS or CLAIMS at the Registrar's Office, Truro, on Monday, the 26th day of October instant, at Eleven o'clock in the foremoon, or in default thereof they will be EXCLUDED from the BENEFIT of any DISTRIBUTION made before such proof. And for the purpose of such proof they are either to attend in person, or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons, or by the Official Liquidator's notice) they are to file affiavits of their several debts or claims at the Registrar's Office of the Court at Truro, such affidavits being sworn either before some Commissioner of the said Court, or before any Commissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

FREDERICK MARSHALL, Registrar.

PREDERICK MARSHALL, Registrar.

Dated Registrar's Office, Truro, the 14th day of October, 1874.

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the PERRAN CONSOLS TIN MINING COMPANY (LIMITED).—ALL CREDITORS or CLAIMANTS of the ABOVE-NAMED COMPANY who have not received notice from the Official Liquidator thereof that their claims have been already admitted, are hereby REQUIRED to COME IN and PROVE their several DEBTS or CLAIMS at the Registrar's Office, Truro, on Monday, the 26th day of October instant, at Twelve o'clock at noon, or in default thereof they will be EXCLUDED from the BENEFIT of any DISTRIBUTION made before such proof. And for the purpose of such proof they are either to attend in person, or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons or by the Official Liquidator's notice) they are to file affladavits of their several debts or claims at the Registrar's Office of the Court at Truro, such affladavits being sworn either before some Commissioner of the said Court, or before any Commissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

FREDERICK MARSHALL, Registrar.

Dated Registrar's Office, Truro, the 14th day of October, 1874.

In the Court of the Vice-Warden of the Stannaries.

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the PERRAN CONSOLS TIN MINING COMPANY (LIMITED).—TENDERS will be received by the Official Liquidator of the said company, addressed to him at the Stammaries Court Office, in Truro, until the 24th day of October instant, stating the HIGHEST PRICE which will be given for the INTEREST of the said company in the LEASE under which its mining operations have been carried on at the Perran Consols Mine, in the parish of Perranzabuloe, within the said stammaries; and also for the WHOLE of the MINING PLANT, MACHINERY, MATERIALS, and EFFECTS belonging to the said company at and upon the said mine.

said mine.

To inspect the above, apply to the Balliff in charge at the Mine, and for further particulars to the said Official Liquidator as above.

R. M. PAUL, Truro

(Solicitor for the said Official Liquidator).

Dated Stannaries Court Office, Truro, October 14, 1874.

In the Court of the Vice-Warden of the Stannaries.

# Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NORTH WHEAL CROFTY MINING COMPANY.—TENDERS will be received by the Official Liquidator of the said company, addressed to him at the Stannaries Court Office, in Truro, until the 24th day of October instant, stating the HIGHEST PRICE which will be given for ALL the INTEREST of the company in the SETT or SETTS under which its mining operations have been carried on at North Wheal Crofty Mine, in the parish of Illogan, within the said Stannaries; and also for the WHOLE of the PLANT, MACHINERY, MATERIALS, and EFFECTS belonging to the said company at and upon the said mine.

To inspect the above, apply to the Balliff in charge at the Mine, and for further particulars to Mr. John Henry Hamley, the said Official Liquidator.

HODGE, HOCKIN, AND MARRACK, Truro (Agents for Southgate and Watson, London, Solicitors for the said Official Liquidator).

Dated Stannaries Court Office, Truro, October 14th, 1874.

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the PERRAN WHEAL VIRGIN MINING COMPANY.—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE-NAMED COMPANY by the Court was, on the 18th day of October instant, presented to the Vice-Warden of the Stannaries by Henry Andrew, of Truro, in the county of Cornwall, gentleman, a contributory of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the Law Institution, Chancerylane, in London, on Wednesday, the 28th day of October instant, at Two o'clock in the afternoon.

lane, in London, on Wednesday, the 28th day of October instant, at Two o'clock in the afternoon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioner, his solicitors, or their agents, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Esq., Secretary of the Vice-Warden, Truro.

Every such contributory or creditor is entitled to a copy of the petition and affidavit, verifying the same from the petitioner, his solicitors, or their agents, within 24 hours after requiring the same, on payment of the regulated charge per folio. Affidavits intended to be used at the hearing, in opposition to the petition, must be filed at the Registrar's Office, Truro, on or before Monday, the 28th day of October instant, and notice thereof must at the same time be given to the petitioner, his solicitors, or their agents.

CARLYON AND PAULL, Truro, Cornwall (Solicitors for the said Petitioner).

GREGORY, ROWCLIFFES, AND RAWLE, 1, Bedford-row, London (Agents of the said Solicitors).

#### In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

TN the MATTER of the COMPANIES ACT, 1862, and of the LEEDS AND ST. AUBYN MINING COMPANY.—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE-NAMED COMPANY by the Court was, on the 18th day of October instant, presented to the Vice-Warden of the Stannaries by George Bazeley, of Penzance, within the said Stannaries, carrying on business at Penzance aforesaid as a general merchant, under the style or firm of "George Bazeley and Son," a creditor of the said company, and that the said petition is directed to be heard before the Vice-Warden, at the Law Institution, Chancery-lane, London, on Wednesday, the 20th day of October instant, at Two o'clock in the afternoon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioner, his solicitors, or their agents, of his intention to do so, such notice to be forthwith forwardet to P. P. Smith, Eq., Secretary of the Vice-Warden, Truro. Every such contributory or creditor is entitled to a copy of the petition and affi-davit verifying the same from the petitioner, his solicitors, or his agents, within 24 hours after requiring the same, on payment of the regulated charge per folio. Affidavits intended to be used at the hearing, in opposition to the petition, must be filed at the Registran's Office, Truro, on or before the 26th day of October instant, and notice thereof must at the same time be given to the petitioner, his solicitors, or their agents.

GREGORY, ROWCLIFFES, AND RAWLE, 1, Bedford-row, London Dated Truro, October 15th, 1874. (Agents of the said Scilitors).

#### TUESDAY, 20TH OCTOBER, TWELVE O'CLOCK NOON WEST CARADON MINE SALE. About Four Miles from Liskeard.

An Omnibus will meet the 9.28 Up and 11.52 Trains.

R. BURGESS, of Barncoose, Land and Machinery Valuer, is instructed by the Liquidators of the said Mining Company to SELL, BY PUBLIC AUCTION, on the above date, the following MACHINERY, viz.—ONE 30 in. PUMPING ENGINE, stroke 8 in 7 out; ONE BOILER, and fittings, 11 tons.

ONE 24 in. DRAWING ENGINE. 5 65 at a contract the stroke of the stroke

ONE 30 in. PUMPING ENGINE, stroke 8 in 7 out; ONE BOILER, and fittings, 11 tones.

ONE 24 in. DRAWING ENGINE, 5 ft. stroke, cage and crusher attached; 10 ton BOILER, and fittings.

Five balance and fend-off bobs; 6, 7, 8, 9, and 10 in. pitwork; 8-arm capstan and shears; 159 fms. best iron; 2 2½ in. round iron flat rods, with faggotted evenecks and pins: large quantity of ½ in. and ½ in. chair; pitch pine and other main rods; 5, 5½, and 6 in. strapping plates; staples and glands; 200 pulleys, from 1 to 6 ft.; large long drop scrap screw, flat cut thread; 2 powerful lifting jacks; 3 in. screw, flat cut; about 1 ton of old brass; new and old steel; new and old iron; new and old rope.

Large quantity of sheds and timber, which will be sold on Wednesday, the 21st, unless specially asked for.

Catalogues can be had of W. J. LAVINGTON, Esq., 14A, Austinfriars, London, C.C.; Messrs. SOUTHOATE and WATSON, 7, King's Bench Walk, Temple, London; or of Mr. BURGESS, Barnocose, Redruth, October 6, 1874.

# TO BE SOLD (CHEAP):— 1500 tons NEW IRON and STEEL RAILS, bridge, flange, and double headed, 30 to 50 lbs. per yard. 180 tons NEW BESSEMER STEEL RAILS, flange 75 lbs. per yard. 100 tons TITANIC CHARCOAL PIG-IRON. 15 tons NEW GAS or WATER TUBES, 6 in. diameter (wrought-iron). 20 tons OLD WROUGHT-IRON BOILER TUBES. 200 tons NEW SHIPBUILDERS WROUGHT-IRON SCRAP. 110 tons CAST-IRON SCRAP HEAVY LUMPS. 50 tons FENCING WIRE, Nos. 4 and 5. 20 tons HOOP IRON, 1 × 17, W.G. (The above damaged by water slightly.) For price, &c., apply to— G. B. HENSHALL, 22, FENWICK STREET, LIVERPOOL.

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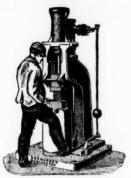
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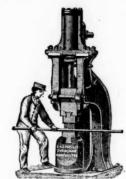
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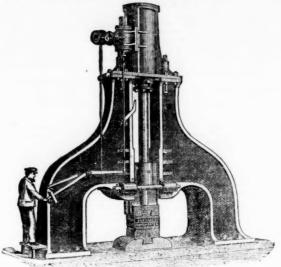
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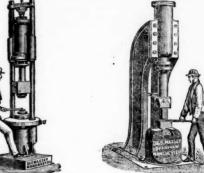




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Mr. Coultas Dodsworth, of Haydon Bridge, writes, on the 15th January, 1874:—"I have just returned from the Stonceroft and Greyside Mines, where I have seen your 'Patent Ore Dressing Machinery' at work, with which I must say, I was highly pleased. It is decidedly the best machinery I have ever seen for the purpose, the results being as near perfection as possible, and I am quite sure its use in this case will be a very great saving to the company. No large mining establishment should be without your machinery, especially when labour is difficult to procure—a mere fraction of the hands being only required as against the old system and the work altered her mush better does not a great saving is amount to procure—a mere fraction of the hands heing only required as against the old system, and the work allogether much better done, and a great saving of ore effected. I have heard it said that your machinery is better adapted for poor than for rich ores, but from what I have seen to-day I am quite confident it will do for any kind of ores. I beg not only to congratulate, but also to compliment, you on the great success of your 'Patent Ore Dressing Machinery.' You may use this letter as you think proper."

Mr. Montague Beale, Managing Director of the Cagliara Mining Company (Limited), says, on May 16th, 1873:—"I have much pleasure in speaking of the great efficiency of your 'Patent Dressing Machinery,' as crected by you at our mines at Rossa; in the Island of Sardinia. You will remember it has always been considered impossible to dress, or rather separate, the minerals our ores contain by machinery, but our captain assures me he gets a constant return of 76 per cent. of lead with the greatest case, and I know by the returns we are realising the best market price. I consider this company is much indebted to you for the success you have achieved at so small cost. It may interest you to know, from my experience in several of the British possessions, including the whole of the Austra can efficiently, and at so small a cost, dress, and separate metallic ores, however close the mechanical mixture may be, as yours. You can use this letter in any way you like."

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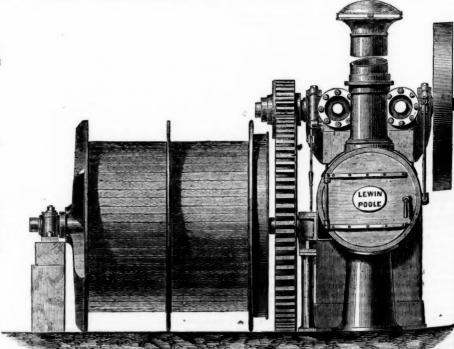
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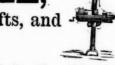
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15000 Sweetland Creek 20000 Tolima, g, s* (600 500 Westphalian, s-l	, California*;	0 2½ 2½ 3 0 3½ 3 3½ 0 0 3½ 3 3½		1621 Penhale Wheal 12000 Pennerley, l, St 16000 Perkins Beach,	Vor, t, c, Helston 16 1 hropshire* 2 l, Balop* 1	15 0 — 0 0 0 134134 134 0 0 0 34 34 36 0 0 0 —	7½ Titanic Iron and Steel. 20 Ulverston Mining Co.	[L.] 10 0	0 1
Shares. Mine	NUN-DIVIDEN	Paid. L	ast Pr. Clos. Pr. Last Call.	2000 Prideaux Wood	t, t, Llanivery 5	0 0 1/4 5/8	1 United Bituminous Ct 10 Vancouver Coal [L.] 100 Vickers, Bons, and Co 50 Welsh Ironworks Co. 25 W. Cumberland I. and 10 West Mostyn Coal [L. 10 Whitehaven Iron Co. 100 Wigan and Whiston C	[L.]	0 1 1 0 35 45
20000 Australian Unite	ru* (£10 shares)	10 0 0	1½ 1½ 1½Fully pd. Fully pd.	15000 Rookhope Valle 5869 Rosewall Hill a 6000 Rosewarne Unit	ey, l, Durham* 4 ind Ransom, t 4 ited, c, t, Gwinear 1 vmbridge 0	0 0	10 West Mostyn Coal L. 10 Whitehaven Iron Co. 100 Wigan and Whiston C	] (12 p.c.pref.) 2 ( [L.]	0 5% 5
12000 Camp Floyd, s, I 35000 Cesena Sulphur ( 50152 Chontales, g, s, N	Utah* Company, Romanga, Italy Nicaragua*† (and 12,542 of	5 0 0 0 0 15 0 0 0 15 0 0 0 0 0 0 0 0 0	Fully pdFully pdFully pdFully pdFully pdFeb. 1872	512 South Conductor 512 South Dolcoath	ow, t, c, Camborne 1 6 h, c, t, Redruth 12	5 6 3 3½ 3½ 5 0 1½ 1 1½ 14 0 —	WAGG	ON COMPANIES	
10000 Crescent, g, Plun 10000 Cuiaba, g, Minas 10000 Douglas, s, Geor	mas County, California* Geraes, Brazil* rgetown, Col	10 0 0 0 17 6 5 0 0		19000 South Phoenix.	, t, Callington* 1 e, l, bl, Cardigan* 0 t, t, Ludgvan 1 t, c, Linkinhorne* 1	12 6 10 0 0 0 34 56 34	10 Birmingham Wagon 20 British Wagon Co. 10 Gloucester Wagon Co. 10 Metropolitan Wagon 50 Midland Wagon Co. 10 North Central Wagon 10 North of England W. 10 Parkgate Wagon Co. 10 Scottish Wagon Co. 10 Statish Wagon Co. 10 Yorkshire Wagon Co. 10 Yorkshire Wagon Co.	. [L.] 10 0 . [L.]	0 4½ 43 0 4½ 43 0 3 33 0 80 90
7500 East Sheboygan 35000 Excelsior Hydra 60000 Exchequer, g, s, 55000 Frontino and Bol	getown, Col. Preference* (40,000 ordina: ulic Gold Washing Co., Ca California*	ry shares) 2 0 0 difornia* 6 0 0 1 0 0 2 0 0	Dec. 1871 Fully pd. Fully pd.	18000 South Roman 6	Gravels, I. Salop* 1	10 0 /8 /2 /8	50 Midland Wagon Co. [ 20 North Central Wagon 10 North of England W. 10 Parkgate Wagon Co.	Co. [L.] 20 0 agon Co. [L.] 3 10 [L.] 5	0 14 15 0 0 par. 5 0 0 8% 3%
POOCO CLEHELER DIESELINE		7 0 0	Jan. 1874	3000 South Ward, l, 937 South Wheal C 498 South Wh. Fra 6000 South Wheal K	Beerferris	10 10 10 10 10 10 10 10 10 10 10 10 10 1	10 Scottish Wagon Co. [ 20 Sheffield Wagon Co. 10 Yorkshire Wagon Co	[L.] 15 (	0 4% 4) 0 4% 8
20000 Imperial Brazilia 20000 Independence, g, 20000 I. X. L., g, s, Cal	Co., Georgetown, Col	5 0 0 5 0 0 5 0 0 2 0 0	2½ 2½ 3Fully pdFully pdFull	4000 St. Agnes Cons 14000 St. Blazey t.* ( 940 St. Ives Consol 6000 St. Lawrence	, t, c, Camborne	0 0 5 1½ 1½ 1½ 1½ 15 0 8 6 7	TELEGI	APH COMPAND	0 75% 76%
12000 Lanestosa,* l, z,	Viscaya, Spain (£2 shares)	1 10 0		12000 Tamar Consons	1 Description 1	0 0 0 0 1 1/4 1 10 0 5 0 11/4 1 11/4	10 Brazilian Submarine 10 Cuba, 10 per cent. pre 20 Direct United States 10 Eastern, 6 per cent. de 10 East. Exten., Austral	90 0	0 13
4000 Malaga, l, Spain 40000 Malpaso, g, Color 12000 Menzenberg, c, E 14000 Montague & Way	mbia* (65000 issued)  * mbia* (10000 pref. shares, Honnef, Germany* eriey Gold Quartz Crushing	10s. paid) 1 0 0 10s. paid) 5 5 0 g Co.,*N.Seot. 2 0 0	% % %Fully pd. Fully pd. Fully pd. Fully pd. Allotment	6400 Teesdale,* t, D 4000 Teign Valley, t 3526 Tin Valley, St. 5000 Treleigh Wood	5-f, Beeralston 1 t, bar, Bridford 1 f, bar, Bridford 1 f, r, Redruth 4 l United f, Redruth 1 s 15 Crantock* 2	8 0 8 0	10 Globe Telegraph and 10 Ditto, 6 per cent. prel 10 Great Northern 25 Indo-European	erence 10 0	0 10% 11% 0 17 18 0 4 49
6000 Monte Loreto, g, 15000 New Pacific, g, s 66000 New Quebrada, c	c, Italy*	5 0 0 0 7 6 5 0 0	3½ ½ ¾Jan. 1874 3½ 3½ 5¾Fully pd. ¾ ½ ¾Fully pd.	1024 Treleigh Wood 547 Trelyon Consol 12000 Trethellan, s-l, 7500 Tresellyn, t, A	United, t, Redruth   1   15   15   Crantock*   2   Itarnun   2	5 0 ¼ ¼ ¼ 0 0 ⅓ ½ ¼ 0 0 – 10 0 –	10 Mediterranean Exten 10 Ditto, 8 per cent. prel 8 Reuters	erence	0 10 10 10 10 10 10 10 10 10 10 10 10 10
20000 New Zealand Ka 10000 Newfoundland, ** 20000 North American,	panga, g, Coromandel*	10 00	3½ 2½ 3½Fully pd. Fully pd. Fully pd. Fully pd. Fully pd.	12000 Tyllwyd,* s-/,	tlarnun	10 0 2½ 0 0 1½1¼ 1½ 17 6 ½ ½ ¾	20 Direct United States : 10 Eastern, 8 per cent. di 10 East, Extem., Austral 10 Globe Telegraph and 10 Ditto, 8 per cent. pre 10 Great Northern. 25 Indo-European 10 Mediterranean Exten 10 Ditto, 8 per cent. pre 8 Reuters 10 West India and Pana 20 Western and Brazilia \$1000 Western Union, 7 per	n 20 0 cent. Mort. Bonds \$100	00104 106
80000 Panulcillo, c, Chi 80000 Pestarena United 50000 Rica, q, Colombia 100000 Rio Tinto, * c, Hu	d, g, Italy*†	g Co.,*N.Seot. 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	134 25 24Fully pd. 14 36 36Fully pd. 134 8 9Jan. 1874 14 36 34July 1872	20000 Van Consols, l, 1000 Vaughan, s-l,	, c, Kenwyn 2, Llanidloes 2 Cardigan 9 rranzabuloe 1	0 0	MIS  10 Anglo-Mexican Mint 2 Assoc. of Land Finan 25 Copper Miners of En 5 Diamond Rock Borin 5 Gen. Phos. & Chem. 1 Glaisdale Whinstone 10 Huntington Copper s 10 Silber Light (ord. sh.) 10 Tharsis Sulphur and	CELLANEOUS.	0 5% 6% 0 11% 13%
100000 Rossa Grande, g, 32500 Ruby Consolidate 30000 Russia, c, Orenbu	ed, s, Nevada*urg and Uta*†	10 0 0 10 0 0 2 0 0	21/2 21/2 23/2Fully pd. 21/2 21/2 23/2Fully pd. 21/2 3/2 3/2Mar. 1872	20000 West Bryn Cel	yn,* l, Flintshire 1	0 0	25 Copper Miners of En. 5 Diamond Rock Borin 5 Gen. Phos. & Chem. 1 Glaisdale Whinstone	Works Co. [L.] 5 0 Quarry	0 yar 1/2
30000 Santa Barbara,* 10000 Silver Plume, s,	g, Brazil Colorado*	1 0 0	% % %Mar. 1872 Fully pd.	12000 West Goginan, 15000 West Great West	"Cardiganshire 2 ork, t, Breage 1	0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10 Huntington Copper a 10 Silber Light (ord. sh. 10 Tharsis Sulphur and	ond Sul. Co 8 0 10 0 Copper Co 10 0	0 27 % 26 0 27 % 26
26000 St. John del Re 26000 St. Lawrence, g,	* California	5 0 0	Fully pd.	5 1000 West Maria & 5 1000 West Milwr, s 12000 West Pant-y-G	Fortescue, t, c, Lamer. 4, Flint 130, s-l, Flint*	0 0	b, blende; cl, coal; c, cop s-l, silv	er-lead; t, tin; z, zince panies; † quoted on the	ne Stock Explane
20000 Thornhill Reef, g 43174 United Mexican, 14000 Utah, g, z-l, Utah 25000 Victoria (London	g, Australia*		54 34 34 Fully pd. 376 236 234 May 1988 	1403 West Polbreen 10000 West Roskear,	t, t, s-l, bl, c, Camborne 0	20	London: Printed by K	CHARD MIDDLETON, proprietors), at their	and published of roffice, M. Fixed re-requested to be
75000 Yorke Peninsula	s, c, Bouth Australia	since last dividend was paid	75 /2	6000 West Wheal C 292 West Wheal S	He, t, Salop	14 0 15 0 22½ 20 225	STREET, E.C., where addressed October 17	1874.	
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